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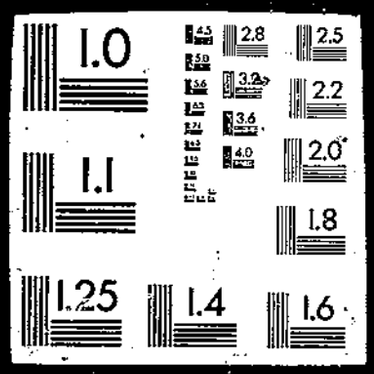

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Changes in Food Consumption and Expenditures in American Households during the 1980's

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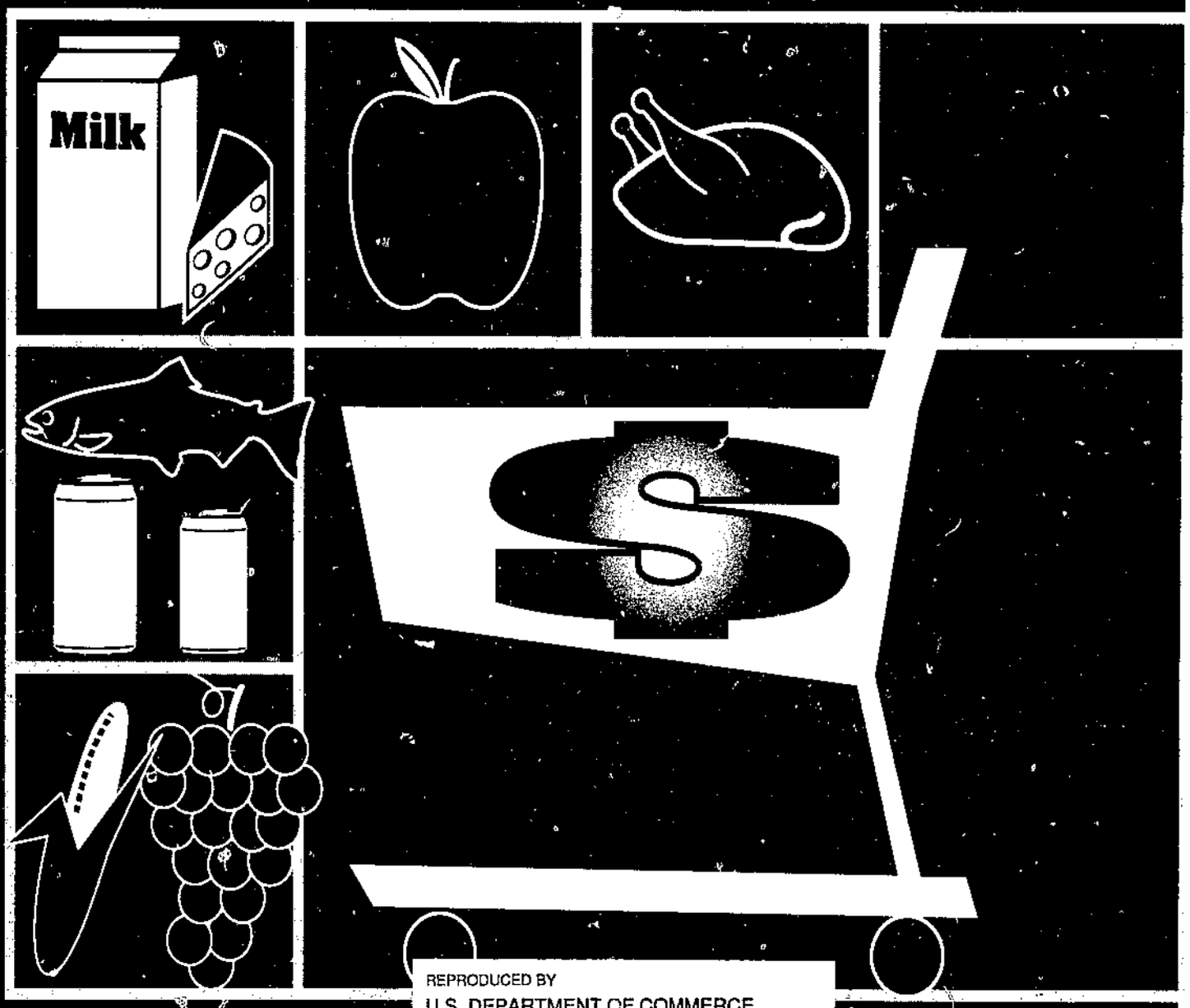

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Changes in Food Consumption and Expenditures in American Households During the 1980's. By Steven M. Lutz, David M. Smallwood, and James R. Blaylock of the Commodity Economics Division, Economic Research Service, and Mary Y. Hama of the Nutrition Monitoring Division, Human Nutrition Information Service, U.S. Department of Agriculture. Statistical Bulletin No. 849.

Abstract

Annual per person consumption of dairy products, fats and oils, flours and cereals, bakery products, meats, eggs, sugars and sweets, and fresh vegetables fell during the 1980's. Consumption of poultry, fish and shellfish, juices, and beverages rose. Annual per person spending when adjusted for inflation declined for almost all major food groups. This bulletin presents information on the quantity and dollar value of food consumption in American households for 1977-78 and 1987-88 by selected socioeconomic and demographic characteristics. The major changes over the decade are tabulated for 64 major food groups and compared with other studies to gain further insights into possible explanations for the consumption shifts. Data are from the household component of the 1977-78 and 1987-88 Nationwide Food Consumption Surveys conducted by the Human Nutrition Information Service, U.S. Department of Agriculture. The tabulations are based on actual reported usage of foods from home food supplies with adjustments for meals eaten away from home.

Keywords: Nationwide Food Consumption Survey, socioeconomic and demographic characteristics, 21-meal equivalent person, food at home.

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Highlights

The consumption of dairy products, fats and oils, flours and cereals, bakery products, meats, eggs, sugars and sweets, and fresh vegetables, on an annual per person basis, fell during the 1980's. The consumption of poultry, fish and shellfish, juices, and beverages rose, while fresh fruits stayed about the same. Per person spending when adjusted for inflation, on the other hand, declined for almost all major food groups. Exceptions were flour and cereals, led by increased spending for breakfast cereals, poultry, and beverages. These aggregate national trends mask the fact that, for some demographic groups, consumption ran counter to national trends. For example, in 1987-88, poorer households consumed considerably fewer fresh vegetables than wealthier households, but ate more meats than the wealthy.

Other highlights:

Household Size: Per person consumption tends to decline for almost all commodities as household size increases. This is because larger households contain more children who tend to consume less than adults. Several exceptions to this include: fresh fluid milk, flours and cereals, and sugars, all of which tend to be used heavily by children. Aside from the overall changes, trends observed across households of different sizes in the 1977-78 data are similar in the 1987-88 data. However, smaller households had larger proportional decreases in the consumption of eggs and sugars and sweets than did larger households. Larger households had a greater proportional increase in the consumption of vegetable and fruit juices than did smaller households. Per person spending also tends to decline as household size increases because larger households can take advantage of economies of size, such as buying in bulk.

Household Type: During 1987-88, households headed by a single female with children consumed fewer dairy products, fats and oils, bakery products, fresh fruits and vegetables, and beverages per person than did other types of households. These households ate more flours and cereals, meat, sugars and sweets, and canned fruits and vegetables. Many of these trends are probably caused by the fact that single females with children have significantly less income, about half that recorded for other households. Between 1977-78 and 1987-88, female-headed households increased per person consumption of vegetable and fruit juices, and other types of beverages. They decreased consumption for most other commodity groups. Single females with children also ate about the same amount of poultry, fish, and shellfish per person, while other types of households substantially increased their consumption of these foods. Female-headed households used less fresh fruits between 1977-78 and 1987-88, while other households ate about the same. Female-headed households usually spent less per person than other types of households on most commodity groups.

Income Quintile: In 1987-88, per person consumption of dairy and bakery products, poultry, fish and shellfish, fresh fruits and vegetables, juices, and beverages generally increased as a household's income rose. But, consumption of flours and cereals, meats (especially pork and lunch meats), eggs, sugars and sweets, and canned fruits and vegetables declined as income increased. One particularly interesting change between 1977-78 and 1987-88 has been in the meat group. In 1977-78, meat quantities consumed rose with income, but the opposite was found in the 1987-88 survey. The decline in beef consumption was particularly steep for all income groups. Except for eggs and canned fruits and vegetables, per person spending on all other food groups rose as income increased.

Race: In 1987-88, white households consumed more dairy products, fats and oils, bakery products, fresh fruits and vegetables, and beverages per person than did black households. On the other hand, blacks consumed more flour and cereals, meats, poultry, and fish than did their white counterparts. Households headed by neither a white nor a black consumed more flour and cereals and fresh

vegetables, but less sugars and sweets and canned and frozen fruits and vegetables than did other race groups. Most of these tendencies also occurred in 1977-78. One exception was that black households consumed about the same amount of sugars and sweets, while other races consumed less than they did in 1977-78. Also during the 1980's, households headed by neither a white nor a black overtook their white counterparts as the largest per person consumer of fresh vegetables. Black households spent less per person on virtually all food groups except meat.

Region: There were large differences in the consumption patterns of households across regions. Many of these differences can be explained by price variations, income differences, and racial composition. In 1987-88, residents of the Midwest consumed the most dairy products and southerners the least. Westerners were the largest consumers of fresh fruits and vegetables (excluding potatoes). Northeasterners led in the consumption of poultry and fish, frozen fruits and vegetables, and juices. Southerners consumed the most fats and oils, flour and cereals, meats, sugars and sweets, and canned fruits and vegetables. Some dramatic consumption changes occurred within regions between the two surveys. For example, beverage consumption by southerners increased from about 182 pounds per person in 1977-78 to about 269 pounds in 1987-88. Beef consumption dropped by over 30 pounds per person in the Northeast. There was as much variation, if not more, across regions in terms of per person food expenditures as there was for consumption, suggesting that regional price differences are a determining factor in food choice and expenditure decisions.

Urbanization: Suburbanites led the way in consuming dairy products, fresh fruits and vegetables, and beverages, according to the 1987-88 data. People in nonmetropolitan areas consumed the most fats and oils, meats, sugars and sweets, and canned fruits and vegetables. Central city residents are the Nation's largest consumers of poultry and fish. Among the three levels of urbanization (central cities, suburban areas, and nonmetropolitan areas), the consumption patterns of central city and suburban residents appear to be more similar. Changes in consumption during the 1980's, when depicted by urbanization level, were generally similar to those of the overall population. Americans in suburban areas increased their consumption of fresh fruits, while those in other areas decreased their consumption. Like consumption, per person expenditures on the various commodity groups tended to vary considerably across urbanizations.

Changes in Food Consumption and Expenditures in American Households During the 1980's

Steven M. Lutz
David M. Smallwood
James R. Blaylock
Mary Y. Hama

Introduction

This bulletin provides data tabulations on the quantity and money value of food used in American households during 1977-78 and 1987-88.[1] Information on food use when combined with the money value of those foods provides a clearer picture of food consumption behavior than tabulations restricted to only food use or expenditures. By comparing the results from two points in time, we can also see the outcome of various economic and noneconomic forces (such as supply shifts, relative price changes, health concerns and education, and changing tastes and preferences) on American food consumption and expenditures that took place over the 10-year period. The tables contain information on food use and value for 64 food groups tabulated by selected socioeconomic and demographic characteristics of Americans.[2] Additional tabulations show the percentage of American households that consumed foods in the food groups. The major changes over the decade are compared with other studies to gain further insight into possible explanations for the shifts in consumption.

The tables can be used to compare the money value and use of various foods by households located in different geographic areas and of various sizes, types, income classes, and races. The quantity and value of the food used by the various socioeconomic and demographic groups can be compared among themselves, to the Nation as a whole, and across different points in time. This information is critical to food marketers, processors, food program administrators, food and nutrition educators, health professionals, economists, and other researchers in providing an improved understanding of the factors affecting food consumption. The tables can also be used for further data analysis. For example, the money-value tables can be used to compute food budget shares and, together with the food quantity tables, implied average prices. Each table also includes a number of average household characteristics that aid in determining possible causes for similarities or differences.

The tabulations are based on data from the household portion of the 1977-78 and the 1987-88 Nationwide Food Consumption Surveys (NFCS) conducted by the Human Nutrition Information

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[1]Many terms used in this report have specific meanings. A glossary included at the end of the text provides definitions and explanations of the terms used.

[2]The quantities in several of the food groups have been converted to ease problems that occur when adding the quantities of different foods within a food group. Also, the quantities and values of the food groups are reported on an annual basis, whereas the data used in the tabulations were collected for a 1-week period. These adjustments are discussed in a later section.

Service (HNIS), U.S. Department of Agriculture (USDA).[3] The NFCS contains a wealth of information on the socioeconomic and demographic characteristics of American households and is the only major survey that couples this information with detailed information on the quantities and money values of foods used in the households. The surveys are also unique because they contain the value, as well as the amount used, of nonpurchased food such as homegrown vegetables, hunted game, and food received as a gift. The surveys do not, however, cover the entire U.S. population. Americans living in Alaska, Hawaii, territories or countries outside the United States, or group dwellings (such as college students living in dormitories) were not included in the samples.

The tabulations from the 1977-78 NFCS are placed next to those from the 1987-88 NFCS to provide a clear snapshot of the changes that took place over the decade. Twelve tables show the annual per person quantity and money value of foods for 1977-78 and 1987-88 and six show the percentage of households using those foods during a typical week. Supplemental tables containing average food conversion factors, consumer price indices, and equivalent-person scales are included to aid in interpreting the results.

Nationwide Food Consumption Survey[4]

The USDA has conducted food consumption surveys in the United States for over 50 years. In the earlier national surveys (conducted in 1936, 1942, 1948, and 1955), the data were collected only in the spring (April, May, and June). However, since the 1955 NFCS, these data have been collected throughout the year to account for seasonal differences in food consumption. The three most recent surveys have been administered about every 10 years (1965-66, 1977-78, and 1987-88).

The surveys were intended to provide data that can be used to analyze the food consumption behavior and dietary status of Americans. Such data can be used to develop and evaluate policies and support research in areas such as nutrition education, food safety, hunger and food assistance, nutrition monitoring, and agricultural production and marketing. The general purpose of the surveys has remained the same over the years, but the size and scope have changed due to changing priorities for information on food consumption, refinements in methods of measuring food consumption, and differing budget constraints. For example, in the 1977-78 NFCS, a number of detailed questions were added to the questionnaire asking the households about their participation in government food assistance programs such as the Food Stamp Program; Supplemental Food Program for Women, Infants, and Children (WIC); National School Lunch and Breakfast Programs; and elderly feeding programs so that effects of the programs could be analyzed. The emphasis on questions concerning food assistance programs continued in the 1987-88 NFCS, but the sample size was reduced because of budgetary constraints.

The 1977-78 and 1987-88 NFCS's consisted of two samples: a "low-income" sample and a "basic" sample.[5] The low-income sample was conducted to gain insights into the food consumption habits and dietary quality of poorer households who may be at nutritional risk. The basic sample was targeted at all private households in the 48 contiguous States regardless of their income. Both surveys

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[3]The 1987-88 NFCS's representation of the U.S. population is discussed in the section entitled "Data Limitations" on page 11.

[4]The technical description of the NFCS draws heavily from *Food Consumption: Households in the United States, Seasons and Year 1977-78*, NFCS 1977-78 Report No. H-6, Human Nutr. Inf. Serv., U.S. Dept. Agr., June 1983, and documentation distributed with the 1987-88 NFCS public use tapes.

[5]In 1977-78, four supplemental surveys yielded information on the elderly, Puerto Ricans, Hawaiians, and urban Alaskans. An additional low-income survey was undertaken between November 1979 and March 1980 to gain information on the changes in food consumption by food stamp households after Congress eliminated the requirement that recipients purchase a portion of their food stamp allotment.

had a household portion and an individual intake portion. In the household portion, information was collected on various socioeconomic and demographic characteristics of the household as well as detailed records on the value and types of food used from household food supplies. In addition to reporting foods eaten in the household by household members, the respondent (usually the person who planned and prepared the meals) was to include foods and beverages served to guests, thrown away, fed to pets, or received from food assistance programs. Foods bought and eaten away from home, such as at a restaurant, were not included. The second component of the surveys involved collecting specific information about the individuals in the household such as their general health, use of vitamin or mineral supplements, weight, height, and exercise habits. Also collected were detailed records on the types of food, both at home and away from home, for each member of the household over a 3-day period.[6] The value of the foods was not recorded.

The tabulations in this report are based on data collected in the household portion of the basic samples. The remainder of this section focuses on the technical aspects of those segments of the surveys.

Sample Design

Both the 1977-78 and 1987-88 NFCS's were planned and supervised by HNIS. The surveys were designed and conducted under contracts with HNIS by the survey research firm of National Analysts, a division of Booz, Allen and Hamilton, Inc.

The 1977-78 and 1987-88 NFCS's were, for the most part, designed in the same manner. The households in the samples were selected using a self-weighting, multistage, stratified selection procedure targeted at private households in the 48 contiguous States. In addition, the surveys were designed to provide four independent, but continuous, seasonal (spring, summer, fall, and winter) samples. The probabilities of selection at the various stages were determined so each household in the 48 States had the same probability of being selected to participate in the survey.

In both sample designs, the 48 States were divided into smaller geographic areas called primary sampling units (PSU's) defined by 9 census divisions (East North Central, East South Central, Middle Atlantic, Mountain, New England, Pacific, South Atlantic, West North Central, and West South Central) and three levels of urbanization (central cities, suburban areas, and nonmetropolitan areas). The number of PSU's in a particular geographic area of the country was based on the estimated population in that area at the time of the survey. That is, more heavily populated areas contained relatively more PSU's than sparsely populated areas. For example, the Middle Atlantic division, although relatively small in terms of land area, has a fairly large number of PSU's because a large percentage of Americans live in this area of the country. The distribution of PSU's for the 1977-78 survey was based on 1970 Bureau of the Census data (updated to 1977), while the distribution for the 1987-88 survey was based on 1980 census data (updated to 1985). The 1977-78 NFCS consisted of 114 PSU's, while the 1987-88 NFCS consisted of 120 PSU's. Within each PSU, small mutually exclusive land areas, called area segments, were defined that contained at least 100 dwellings. A random sample of area segments was drawn from each PSU. Finally, within a selected area segment, a probability sample of households was identified and selected to be included in the survey. The 1977-78 NFCS was designed to provide a sample of 15,000 households, while the 1987-88 NFCS was designed to provide a sample of 6,000 households.

[6]In the 1977-78 NFCS, all individuals in the household were eligible only in the spring quarter of the survey. In the other quarters, all household members under age 19 and 50 percent of household members age 19 and older were eligible.

Data Collection

National Analysts collected the data for HNIS. A short time before the interview, National Analysts either mailed or hand-delivered the selected households a letter introducing the survey and set up a time, about 1 week later, at which time the respondent was to answer detailed questions about the kinds and amounts of food used in the household over the previous 7 days. During the interview, the household was also asked numerous questions about demographic characteristics (such as the age, sex, and race of the household members), shopping and eating patterns of the household (such as the distance to the store and the amount spent for meals eaten away from home), income, and the household's participation in USDA's food assistance programs.

In the 1977-78 NFCS, interviewers recorded by hand the respondents' responses on the questionnaire. In the 1987-88 NFCS, interviewers used computer-assisted personal interviewing (CAPI) technology, asking the respondents questions and entering their responses directly onto magnetic disk via a laptop computer. The questionnaire was also available on paper in case of power failure or an objection from the respondent.

Level of Participation

A number of households selected for the survey chose not to participate. This may cause statistical problems if a large portion of selected households chose not to participate, and there was a systematic difference in the consumption behavior of those households that participated and those that did not. Since one seldom has information on the consumption behavior of nonparticipants, the participation rate is used often as an indicator of potential sampling bias. The lower the participation rate, the greater is the potential of nonresponse bias.

The NFCS is a long and complex survey requiring participants to devote a considerable amount of time to complete. For this reason, among others, a large number of households refused to participate. In the 1977-78 NFCS, 26,204 occupied households were approached and 14,930 completed acceptable interviews for a response rate of about 57 percent. In the 1987-88 NFCS, the response rate was considerably lower, about 37 percent. In addition, the target sample of 6,000 households was not obtained in the 1987-88 NFCS. Of the 12,181 occupied households approached, only 4,495 completed acceptable interviews. The response rates for the 1977-78 and 1987-88 NFCS's are summarized below:

	1977-78 NFCS	1987-88 NFCS
Occupied households (no.)	26,204	12,181
Acceptable interviews (no.)	14,930	4,495
Response rate of usable questionnaires (pct.)	57	37

Data Processing

The contractor, National Analysts, performed the preliminary coding and data entry tasks. Food codes were developed to group foods according to the frequency of use, comparability of products, and nutritional content. Foods new on the market or not in HNIS's food code manuals were coded by HNIS on a case-by-case basis. The 1977-78 NFCS contains over 2,000 different food codes, while the 1987-88 NFCS contains over 3,000 codes.

HNIS developed a food weight manual used in creating a unit file to convert commonly reported food quantities (such as a loaf of bread or gallon of milk) into pounds so that all food quantities on the

computer tapes would be in the same units. The unit file linked the food items on the questionnaire to the weights and units of measures available in the household weight manual. For household interviews that collected food use data with the aid of laptop computers in the 1987-88 NFCS, unit file weights were available for use by the interviewer at the time of the interview. For example, after the respondent reported a food item, the interviewer could observe on the computer screen the units of measure available for that food. If the respondent reported a unit in the file, the interviewer would select it and the unit would be directly converted to a pound basis without coder intervention. Conversion weights were developed using the most current packaging information available. This was important, particularly for new foods, and food items with frequently changing package sizes.

In addition to the quantity being expressed in pounds, HNIS developed conversion factors for several food groups that allow grouping the foods in a meaningful manner. Two types of conversion factors were developed: "nutritional group" conversion factors and "marketing group" conversion factors. Nutritional group conversion factors convert the weights of foods into units that are useful when examining the nutritional content of household food supplies. For example, when assessing the amount of grain available in households, one must convert flour mixes, bread, baked products, and other types of processed grain products into their flour equivalent before adding them together. HNIS has developed nutritional group conversion factors for dairy products, eggs, dry beans, peas, lentils, nuts, potatoes, juices, sugars and sweets, and grain products.

Marketing group conversion factors are used to convert the weights of foods into units that are useful when examining foods as they are marketed. For example, it is not very meaningful to add pounds of cheese to pounds of milk. Instead, converting the cheese to its equivalent weight of milk eases aggregation problems. HNIS developed marketing group conversion factors for dairy products, eggs, juices, and nuts. Since this bulletin focuses on food groups as they are marketed, the conversion factors developed for marketing groups were used when adding up the quantities of the relevant food groups. The averages of the conversion factors are listed in table 20. The food conversion factors are more fully explained in *Conversion Factors for the Household Consumption Phase of the Nationwide Food Consumption Survey 1977-78*, CFE(Adm.)-356, HNIS (formerly Science and Education Administration), USDA, July 1980, and *Manual of Conversion Factors for Use in Household Food Consumption Phase of the Nationwide Food Consumption Survey 1987-88*, Administrative Report No. 388, HNIS, USDA, November 1990.

The contractor and HNIS subjected the preliminary data tapes to a number of edits and data-cleaning procedures. HNIS checked the weights of foods and their nutritional content for extremely large or small values and reviewed the original questionnaire to determine any errors in keypunching. Household demographic variables were also checked for reasonableness, validity, and consistency.

HNIS developed several computer programs to identify missing or outlying unit values (obtained by dividing the expenditure for a food by the quantity of the food). HNIS examined for keypunch errors all food items that had unit values less than 10 percent of the mean unit value or more than two standard deviations from the mean unit value of other households interviewed in the same season and region. Households had missing unit values for a number of reasons. If the household could not recall the amount paid for an item, the interviewer attempted to find the price at a nearby store, but this was not always successful. If the food was home-produced or received as a gift, then the unit value was missing. Households with missing unit values were assigned the mean unit value for the same or similar food reported by other households interviewed in the same season and region.

In the 1987-88 NFCS, incomes that were not reported or were otherwise missing were imputed by HNIS. An econometric model developed for the imputations related household income with household and individual characteristics of the households reporting income. The model was then used to impute incomes by using the estimated parameters together with the characteristics of those

households with missing income. Full documentation of the model is available in the documentation distributed with the public use tapes. Incomes were not imputed in the 1977-78 NFCS. Consequently, imputed incomes were not used in the tabulations presented in this report.

Weighting Procedures

Both of the surveys were designed to be self-weighting, but statistically significant nonresponse warranted calculating weights that could be used to determine population estimates. The methodology used to construct the weights differed between the surveys. In the 1977-78 NFCS, the weights were computed to be proportional to the ratio of the actual number of households to the number of completed questionnaires. The weights were calculated for each PSU after each quarter of the survey. The weights were then scaled to produce equal response across the four seasons of the survey.

In the 1987-88 survey, the weights were constructed so that certain demographic characteristics in the sample were comparable to known demographic characteristics in the population. The population characteristics were obtained from the March 1987 Current Population Survey conducted by the U.S. Bureau of the Census and included the region of the country, season of the year, the household's income as a percentage of poverty, participation in the food stamp program, whether the household owned (or was buying) its own home, two age categories of children, whether there was exactly one adult in the household, whether there were exactly two adults in the household, whether the female head worked in the week before the interview, the age and race of the household head, the presence of a male and/or female household head, and the household size. In addition, urbanization was accounted for by using information contained in National Analysts' survey design. The weights were also designed to add up to the number of households in the population (in thousands).

Tabulation Procedures

The food use and value data in the tabulations in this report are expressed on a 21-meal-equivalent person (21-MEP) basis. The 21-MEP conversion assumes people ate three meals a day over the 7-day period of the survey. This adjustment is used to account for differences in the number of household members and guests eating from home food supplies and the number of meals eaten at home and away from home. The number of meals served is one of the biggest factors contributing to household variation in at-home food use. The 21-MEP is used to control for this variation and to facilitate comparisons across households of differing sizes and at-home eating patterns.[7]

The food use and value tabulations are also expressed on an annual basis. Although the survey for an individual household was conducted for only 1 week, it is possible to adjust the reported figures to an annual basis because the surveys themselves were conducted over a 1-year period which eliminates problems associated with seasonal variation in food consumption. In addition, when they are extrapolated to annual data, disparities among 1-week data tend to average out when large sample sizes, such as those used in this report, are used.

The household food use and value tabulations are weighted population ratio estimates. Population ratios are calculated by adding the weighted quantities (values) of a food for all households and dividing the total by the weighted total number of 21-MEP's.

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[7]The 21-MEP adjustment has drawbacks, but has been shown to be equivalent to other adjustments and a better technique than simply adjusting consumption by household size. See David M. Smallwood and James R. Blaylock, "Scaling Household Nutrient Data," *Agricultural Economics Research*, Vol. 26, No. 1, 1984, Econ. Res. Serv., U.S. Dept. Agr.

The household food use and value figures in this report represent per person averages of the foods used or amounts spent for the population as a whole. That is, the figures do not take into account the distribution of the foods among the people within a reported category.

The food values were based on expenditures for purchased food and on assigned values for home-produced food and food received free of cost. Expenditures for purchased food were based on prices reported as paid regardless of the time of purchase. Sales tax was excluded. So that the money values would be comparable across years, the data were adjusted to 1988 prices using the percentage change in the consumer price index (CPI) for the respective food group (see table 21 for price indices).

A special adjustment for household size was applied to the household income in the tabulations to standardize for differences in household food and income needs. The particular household equivalent scale used is the one implied by the U.S. weighted average poverty thresholds, based on 48 different thresholds, developed by the Bureau of the Census.[8] The poverty thresholds are official statistics used to determine the poverty status of individuals and are updated every year to reflect changes in the CPI. They also vary slightly from year to year due to changes in household size and composition. The thresholds were originally based on household food needs and were subsequently adapted for income needs. Households with 10 or more people have the same poverty threshold as households with 9 people. The equivalent scales used in the report are presented in table 22. So that the income values would be comparable across years, the data were adjusted to 1988 levels by an index derived by the Bureau of the Census.

Some USDA reports include only housekeeping households (a household with at least one person having 10 or more meals at home in the survey week). This report includes both housekeeping and nonhousekeeping households. Differences between the inclusion or exclusion of nonhousekeeping households are generally small with the exception of single-person households. Excluding nonhousekeeping households tends to underestimate food-away-from-home expenditures as well as the quantities of foods (which are adjusted for food eaten away from home) in smaller sized households. An examination of nonhousekeeping households in the 1987-88 NFCS revealed they tended to be single-person households. Exclusion of this important group of households might bias the results.

The food consumption and expenditures reported in the tables represent averages; consumption and expenditures for a particular household or small group are likely to vary from this average. For example, the tabulations include all households, regardless of whether or not a particular household consumed the food during the survey. The consumption and expenditure averages will, therefore, be below those that would be obtained had the nonconsumers been left out of the calculations. The difference between the average for all households and the average for those households that consumed the item grows as fewer households use a particular food. The percentages of households using the foods are displayed in tables 14-19. Second, the distribution of food consumption and expenditures varies greatly within a particular socioeconomic or demographic group. Individual households within a group may have used and/or spent considerably more or less than the average. Finally, each table delineates only a single factor influencing food consumption and expenditures. Because many other factors such as income, season of the year, and household age composition that influence food consumption and expenditures are likely to vary among households within a group, food consumption and expenditures within the group are likely to vary. These factors must be considered when interpreting and applying these group averages to particular situations.

[8]See *Money Income and Poverty Status in the United States: 1988*, Series P-60, No. 166, Bur. of the Census, U.S. Dept. Commerce.

Other Uses

It is sometimes useful to express food use in other units, such as per person or per household as opposed to a per 21-MEP. Tables in this report include all the information required for calculating food use in these other units.

Calculation of per person food use: To calculate food use per person from food use per 21-MEP, multiply the reported quantity by the household size in 21-MEP and divide by the household size in actual members. Thus,

$$\text{use per person} = \frac{\text{(use per 21-MEP) x (household size in 21-MEP)}}{\text{(household size in members)}}$$

For example, per person use of fluid milk in all households in 1987-88 equals (from table 2):

249.74 pounds of fresh fluid milk/person = 296.99 x 2.22 / 2.64.

Calculation of household food use: It is easy to convert from food use in 21-MEP units to actual household food use from home food supplies using the information provided in the table. The conversion from 21-MEP to actual household food use is as follows:

household use = use in 21-MEP (from table) x 21-MEP.

For example, from table 2 in 1987-88, households composed of three members used 291.71 pounds of fresh fluid milk per 21-MEP compared to 269.09 pounds per 21-MEP for households with two members. Actual reported use per household was 726.36 pounds (291.71 x 2.49) for the three-member household and 454.76 pounds (269.09 x 1.69) for the two-member household. Conversions for food values are identical to those for use.

Calculation of relative consumption: The share of national household consumption accounted for by particular demographic groups can be easily calculated from the reported data. For example, the following procedure illustrates how to calculate the share of fresh milk used by three-member households in 1987-88. First, multiply the average use in 21-MEP (291.71 pounds, from table 2) times the average number of 21-MEP's (2.49 21-MEP's, from table 2) times the total number of three-member households (16,501,000, from table 2). Then, divide this by the product of the average use in all households (296.99 pounds/21-MEP, from table 2) times the average household size in 21-MEP (2.22 21-MEP's, from table 2) times the total number of households (88,942,000, from table 2). The result of this operation is the share of fresh milk used from home food supplies by three-member households. The share accounted for by three-member households equals:

$$\frac{291.71 \times 2.49 \times 16{,}501{,}000}{296.99 \times 2.22 \times 88{,}942{,}000} \times 100 = 22.5 \text{ percent.}$$

Similar procedures can be used to calculate the share of the population accounted for by three-member households. The share of the total population accounted for by three-member households equals:

$$\frac{16{,}501{,}000 \times 3}{88{,}942{,}000 \times 2.64} \times 100 = 21.1 \text{ percent.}$$

Note that this calculation uses the average size of the household in actual members rather than the size measured in 21-MEP. Comparing the two calculations, 22.5 percent of the fresh milk consumed at home is consumed in three-member households, while three-member households comprise 21.1 percent of the population.

These calculations illustrate how the data presented in this report can be used to determine various statistics. The Economic Research Service (ERS) data product (see inside front cover) can be used for performing extensive recalculations.

NFCS and Other Data Sources[9]

The tabulations in this report were compared to two other ERS studies in an effort to verify the results and gain further insight into the reasons for the consumption changes. The data sources and methodologies of the two studies are explained briefly below.

Continuing Consumer Expenditure Survey

The Bureau of Labor Statistics (BLS) conducts an annual survey of household expenditures, called the Continuing Consumer Expenditure Survey (CCES). The CCES evolved from consumer expenditure surveys of American households that BLS has conducted at about 10-year intervals since 1888. A major objective of the first consumer expenditure surveys was to collect information necessary to construct the old cost-of-living indices and the current consumer price indices. However, with the rapidly changing economic conditions of the 1970's, BLS initiated a continuing survey of consumer expenditures in late 1979 and expanded its objectives to include a continuous flow of information on the buying habits of Americans, not only for use in revising the CPI but also for a variety of research by government, business, labor, and academic analysts.

The CCES comprises two components, each with its own questionnaire and sample: (1) an interview panel survey in which each of approximately 5,000 households is surveyed every 3 months over a 1-year period, and (2) a diary survey of approximately the same sample size in which households keep an expenditure diary for two consecutive 1-week periods. The survey is targeted at consumer units rather than households. The interview panel survey obtains data on large and infrequent expenditures, such as for real property, automobiles, and major appliances, and expenditures that regularly occur, such as rent, utilities, and insurance premiums. Personal expenditures, including those for food on trips, are also included. Respondents can typically recall these expenditures over a 3-month period. The diary survey obtains data on small, frequently purchased items that are normally difficult to recall, including food and beverages, tobacco, housekeeping supplies, nonprescription drugs, personal care products and services, fuels, and utilities. The diary survey excludes expenditures incurred while respondents are away from home overnight or longer.

The NFCS differs in several respects from the CCES. The most notable difference, other than the survey years, is that the NFCS measures food consumption during the survey period, while the CCES measures purchases. Differences may consequently occur due to a number of conceptual (measurement) issues. For example, the value of nonpurchased foods, such as homegrown food and food received as a gift, is included in the NFCS but not in the CCES. Differences also arise because of the differences in the timing of consumption versus purchases. The CCES does not measure consumption out of household food stocks, and expenditures may include purchases used to build up inventories of staple foods such as flour and sugar. However, the disparities among households due to inventory changes tend to average out when tabulations cover large groups of consumers.

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[9] This section draws heavily upon two publications: *Consumer Expenditure Survey: Diary Survey 1982-83*, Bulletin 2245, Bur. Labor Stat., U.S. Dept. Labor, 1986, and J.J. Putnam and J.E. Allshouse *Food Consumption, Prices, and Expenditures, 1968-89*, SB-825, Econ. Res. Serv., U.S. Dept. Agr., May 1991.

The two surveys also differ in the unit of observation. USDA uses the household as the observational unit, whereas BLS uses the consumer unit. Although these definitions are similar, differences between units classified by living arrangements and economic consuming units will exist, as in the instance of unrelated economically independent individuals living together. Population coverage also differs between the two surveys because the NFCS excludes individuals in group dwellings, such as college students living in dormitories, whereas the CCES includes them.

The NFCS data include food purchased at restaurants, carryouts, and similar establishments and carried home for consumption in at-home food expenditures. In the CCES, these types of expenditures are included in away-from-home food spending.

A major advantage of the CCES over the NFCS is that it provides a continuous picture of consumption expenditures over time, whereas the NFCS provides a snapshot about every 10 years.

The tabulations presented in this report are adjusted to account for meals eaten away from home on the assumption that a household would consume foods in the same relative proportions away from home as they did at home (see p. 6). Thus, the data presented here are for total food consumption, while data from the CCES are only for food spending at home.

Food Supply Series

ERS calculates annually the amount of food available for human consumption in the United States. The U.S. food supply historical series measures national aggregate consumption of several hundred foods. It is the only source of time series data on food and nutrient availability in the country.

Total food supply is based on records of commodity flows from production to end uses. Total available supply is the sum of production, beginning inventories, and imports. These three components are either directly measurable or estimated by government agencies using sampling and statistical methods. Production is often measured at the farm level; for some products, however, primary production measurement occurs at the first level of processing.

For most commodity categories, measurable uses are exports, industrial uses, farm inputs (seed and feed), and end-of-the-year inventories. Human food use normally is not directly measured or statistically estimated. The availability of food for human use is, therefore, a residual component after subtracting other uses from the available total supply. In a few cases, food supplies are measured directly and one of the other use components becomes the residual category. This is the case for wheat, in which flour production is measurable and livestock feed use becomes the residual.

The availability of food for human use represents disappearance of food into the marketing system. Hence, it is often referred to as food disappearance. Per capita food consumption usually is calculated by dividing total food disappearance by the U.S. total population. The food disappearance estimates measure supplies moving through trade channels for domestic consumption. However, because most foods are perishable, changes in disappearance presumably are associated with changes in actual consumption, provided that the disappearance estimates are reliable.

Like many time series, the data are more useful as indicators of trends over time than as measurements of absolute levels. In other words, this series provides an indication of whether or not Americans, on average, are consuming more or less of various foods over time. It is not a direct measure of actual consumption nor of the quantity ingested. The disappearance data for food have proven accurate enough to permit measurements of the average level of food consumption in the country as a whole, to show year-to-year changes in consumption of the major foods to permit

calculation of the approximate nutrient content of the food supply, to establish long-term trends, and to permit statistical analyses of effects of prices and incomes on consumption of the principal foods.

Food disappearance is often used as a proxy to estimate human consumption. Used in this manner, the food supply usually provides an upper bound on the amount of food available for consumption. Food disappearance estimates can overstate actual consumption because they include spoilage and waste accumulated through the marketing system and in the home. Food disappearance data generally serve more appropriately as indicators of trends in consumption over time than as measurements of absolute levels of food eaten. This is the case so long as changes in food production and marketing practices or consumer behavior over time do not alter the relative disparity between food disappearance and food actually eaten.

Comparison of Trends: NFCS, CCES, and Food Supply Series

Presented in table 1 are consumption trends for selected commodity groups between the 1977-78 and 1987-88 NFCS data, between the 1980 and 1988 CCES data, and between the 1977-78 and 1987-88 disappearance data. The CCES data for a particular commodity group were adjusted by its respective CPI to convert expenditures into quantities. Recall from the previous section that the NFCS data were adjusted to reflect total consumption like the disappearance data, while the CCES data reflect only at-home consumption.

For most commodity groups, the NFCS and disappearance data show the same trends. Opposite trends are indicated for fats and oils, pork, and fresh vegetables. The NFCS data show little change for potatoes and sweetpotatoes and fresh fruits, while the disappearance data indicate increases. The CCES conversely indicates a downward trend in at-home consumption for each of these commodity groups.

Two sources of error may explain these discrepancies. First, away-from-home consumption has increased for each of these food groups. The method used to expand the NFCS data to account for food-away-from-home consumption assumes that household members would consume foods in the same relative proportions away from home as they did at home. This may be a valid assumption for many foods, but may be in error for others. The latter may be the case for the commodity groups just mentioned. The 21-MEP adjustment may consequently cause an underestimate of the quantities of these commodities. Second, the surveys differed in their definitions of food groups. There has been a considerable shift from consuming individual food items to foods in mixtures (such as pizza, frozen entrees, and salads from grocery stores). The foods reported in the NFCS can be reported as mixtures and this may account for some of the discrepancies between the disappearance data and the NFCS data. For example, pork sausage used on pizza is reported as pork in the food disappearance data, but as a mixture in the NFCS data.

Data Limitations

The food consumption and expenditures data tabulated in this report are based on data from surveys designed to be representative of the American population. The estimates from a survey may not be as precise as a complete and accurate census of the population. In any survey, there are three general sources of error that can contribute to biased estimates of the true population parameters. The first, usually termed random variation or inherent variability, arises because a legitimate observation is unusually large or small. For example, if one is collecting data on the heights of people, it is possible to observe an 8-foot man or woman, but not very likely. A proper sample design and a large enough sample can minimize the influence of unusually large or small observations on estimates.

Table 1—Consumption trends of selected products

Product	Data source		
	1977/78-1987/88 Nationwide Food Consumption Surveys	1980-88 Continuing Consumer Expenditure Survey	1977/78-1987/88 disappearance
Total dairy	↓	↑	NA
Fresh fluid	↓	↓	NA
Frozen desserts	↓	↑	NA
Cheese	↑	↑	NA
Fats and oils	↓	↓	↑
Flours and cereals	↓	↓	NA
Bakery	↓	↓	NA
Meat	↓	↓	↓
Beef	↓	↓	↓
Pork	↓	↓	↑
Poultry	↑	↓	↑
Fish and shellfish	↑	↓	↑
Eggs	↓	↓	↓
Sugar and sweets	↓	↓	NA
Potatoes and sweetpotatoes	NC	↓	↑
Fresh vegetables	↓	↓	↑
Fresh fruits	NC	↓	↑
Canned vegetables	↓	NC	↑
Frozen vegetables	↑	NA	↑
Juices	↑	↑	↑
Beverages	↑		

NA denotes not comparable to the tabulated NFCS data.
NC denotes less than a 1-percent change.

The second source of error, and more applicable to the NFCS data, is the bias caused by what is usually termed measurement error. Measurement error can occur for a number of reasons including mistakes in recall or recording on the part of the respondent or interviewer, errors in coding the responses, or keypunch errors. In the NFCS, for example, the respondent may not know the weight of a bunch of radishes consumed by the household because it was purchased as a bunch rather than by the pound. In order to put the quantity on a per pound basis, HNIS must make certain assumptions about the weight of a typical bunch of radishes. The long and extensive experience of HNIS in conducting food consumption surveys and its quality control efforts help to minimize measurement errors. But, in large surveys, some errors inevitably remain on the computer tapes.

The final source of error is usually termed execution error and occurs when the sample is selected or the data are collected. Nonresponse is one form of execution error. Nonresponse itself is not

particularly bothersome from a statistical point of view as long as the nonresponses occur in a random manner. If this is not the case, properly constructed weights can be used to reduce the bias.

For a number of reasons, the implementation of the 1987-88 NFCS did not go as well as planned. In particular, low response rates in the beginning of the survey required National Analysts to modify the sampling design in a number of ways. For example, in order to increase the sample size, the survey, which was originally scheduled to end in March 1988, was extended until August. Despite attempts to increase the response rate, it remained very low. As alluded to above, if systematic differences exist between survey respondents and nonrespondents, the survey results may not represent the U.S. population.

The HNIS, concerned about the response rate of the 1987-88 NFCS, compared descriptive statistics of the individual intake portion of the survey with those of the March 1987 Current Population Survey conducted by the Bureau of the Census, the epidemiology portion of the Cancer Control Supplement of the 1987 National Health Interview Survey conducted by the National Center for Health Statistics, the 1977-78 NFCS, and the 1985 and 1986 Continuing Survey of Food Intakes by Individuals conducted by HNIS. The results were furnished to the Life Sciences Research Office (LSRO) of the Federation of American Societies for Experimental Biology (FASEB), which convened a panel of experts to independently evaluate the impact of the response rate on estimates obtained from the data.[10] Congress concurrently asked the U.S. General Accounting Office (GAO) to examine certain aspects of the survey methodology and implementation to ascertain their effect on the reliability of the data.[11] Both groups concluded it is not possible to determine if nonrespondents differed systematically from respondents, but they did have serious reservations about the representativeness of the data. They were particularly concerned about using estimates based on subgroups of people when the sample size becomes small. As mentioned above, these studies evaluated the individual intake portion of the 1987-88 NFCS. No similar studies have been conducted for the household portion of the survey.

In response to the evaluations described above, HNIS has included the following notice to data users of the survey computer tapes:

> The response rate for the household component of the Nationwide Food Consumption Survey (NFCS) 1987-88 was very low, approximately 38 percent. HNIS suggests that users of these data carefully balance their need for the data and their tolerance for error in specific applications against the potential for nonresponse bias. Whenever possible, confirmatory data from other sources should be sought to support estimates based on analysis of these data.

In this report, results of the 1987-88 NFCS were, when possible, compared to data from the CCES and food supply data. In most instances, the data were fairly consistent despite differences in the surveys. With the exception of households headed by neither a black nor a white person, 153 observations in the 1987-88 NFCS, the subgroups that were examined all had sample sizes of over 400 households. For these reasons, we believe the bias introduced by nonresponse will have minimal effect on the estimates contained in this report.

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[10] The HNIS plans to publish a summary of the nonresponse evaluation. Details of the LSRO study can be found in *Impact of Nonresponse on Dietary Data from the 1987-88 Nationwide Food Consumption Survey*, Life Sciences Research Office, Federation of American Societies for Experimental Biology, Bethesda, MD, Apr. 1991.

[11] *Nutrition Monitoring: Mismanagement of Nutrition Survey Has Resulted in Questionable Data*, GAO/RCED-91-117, U.S. General Accounting Office, July 1991.

Glossary

Age: Calculated from date of birth as given in the individual intake phase. If no individual intake record was collected, age as given by the household respondent in household phase was used.

Consumer unit: A consumer unit, the basic reporting unit for the diary survey portion of the Continuing Consumer Expenditure Survey, comprises: (1) all members of a particular household who are related by blood, marriage, adoption, or other legal arrangement, such as a foster child, (2) a financially independent person living alone or sharing a household with others, living as a roomer in a private home or lodging house, or living in permanent quarters in a hotel or motel, or (3) two or more persons living together who pool their income to make joint expenditure decisions.

Financial independence is determined by three major expense categories: housing, food, and other living expenses. To be considered financially independent, the respondent must provide at least two of the three major expense categories.

Converted quantity of food used: Marketing group conversion factors were used to convert forms of foods reported in the household food survey to a common basis so that quantities of these foods could be grouped into meaningful totals. The marketing group conversion factors were applied to the following food groups: dairy products (fresh milk equivalent), eggs (fresh equivalent), nuts (shelled weight equivalent), and fruit juices (single-strength equivalent). Average conversion factors used in this report are displayed in table 20.

Dairy products (fresh equivalent): Fresh fluid milk, cream (including cream substitutes containing milk derivatives), frozen desserts containing milk, and cheese have been converted to the weight of fresh whole fluid milk.

Eggs (fresh equivalent): The weight of dried eggs, liquid eggs without shells (whole eggs, whites, or yolks), and egg substitutes have been converted to the weight of eggs in the shell.

Female head of household: Person indicated as such by the main meal-planner/preparer; usually the wife of the male head of household if a male head was present.

Food consumption: See "Food at home" and "Converted quantity of food used."

Food expenditures: See "Money value of food used at home."

Food at home: Food and beverages (alcoholic and nonalcoholic) from the household food supplies "used" during the 7 days before the survey interview. This included food and beverages eaten at home by members and guests, carried from the home in packed meals, thrown away, or fed to pets. Food fed to animals raised for commercial purposes and commercial pet food were omitted. Also excluded were foods given away for use outside the home, such as to friends and relatives, gifts donated to bake sales, and church suppers. Food obtained with cash, credit, or food stamps, and food home-produced, received as gift or in payment for goods and services, or received through Federal assistance programs or from welfare agencies was included.

At-home food includes all purchased, home-produced, and that received as gift or pay that was brought into the household and used during the survey week. The three sources of food are defined as:

Purchased—Food received for cash, on credit, or with Federal food coupons such as food stamps and WIC vouchers.

Home-produced—Food raised for home use and food obtained by hunting, fishing, and gathering from the wild.

Received as gift or pay—Food received as gift from persons outside the household or as payment for services rendered.

Geographic division: An area of the 48 contiguous States as defined by the U.S. Department of Commerce. The nine census geographic divisions and their States are:

East North Central—Illinois, Indiana, Michigan, Ohio, Wisconsin.

East South Central—Alabama, Kentucky, Mississippi, Tennessee.

Middle Atlantic—New Jersey, New York, Pennsylvania.

Mountain—Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, Wyoming.

New England—Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont.

Pacific—California, Oregon, Washington.

South Atlantic—Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, West Virginia.

West North Central—Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota.

West South Central—Arkansas, Louisiana, Oklahoma, Texas.

Home food supply: Foods and beverages used from the household food supply. Includes foods used by household members, as well as foods and beverages served to guests. Foods and beverages are part of home food supply if carried from home and eaten elsewhere, such as those in picnics and packed lunches.

Household: All persons who regularly share a house, an apartment, a room, or group of rooms used as separate living quarters; includes persons temporarily absent, such as those in the hospital or traveling. Excludes individuals living away in group quarters such as dormitories, rooming houses, military barracks, and institutions. Residences with nine or more persons unrelated to each other were considered group quarters and were not eligible to participate in the survey.

Household member size: Actual number of persons living in the household excluding roomers, boarders, and employees.

Household respondent: Household member identified as most responsible for meal planning and preparation.

Household size: Actual number of persons in the household including roomers, boarders, and employees.

Household size in 21-meal-at-home-equivalent persons: Total adjusted meals eaten from household food supplies in the past 7 days, including meals and meal equivalent of refreshments for guests, divided by 21.

The 21-MEP is an adjustment for variation among households in the number of meals eaten from home food supplies. Household size in terms of 21-MEP was determined as follows: Total the number of (1) meals reported as eaten at home by members (adjusted proportionately with meals eaten away from home to total 21 meals in a week--3 meals for each of 7 days--to account for skipped meals and for snacks that might substitute for or supplement meals), (2) meals eaten from household supplies by guests, boarders, roomers, and employees, and (3) meal equivalents of refreshments served to guests (one or two foods = one-fourth meal; over two foods = one-half meal). Then, divide the total meals by 21 to obtain the household size in 21-meal-at-home-equivalent persons.

Housekeeping household: Household with at least 1 person having 10 or more adjusted meals from the household food supply during 7 days before the interview (in the 1977-78 NFCS the number of actual meals were used as a basis for determining the household status). For adjusted meals, see "Household size in 21-meal-at-home-equivalent persons." Some USDA reports exclude nonhousekeeping households. This report includes both housekeeping and nonhousekeeping households.

Income before taxes: Main meal-planner/preparer's estimate of the total money income from all sources, before taxes, of all household members 15 years and over for the calendar year prior to the interview. Average income before taxes is tabulated in this report only for households which report that data. Imputed values of income were not used. For comparability, all reported income values are converted to 1988 dollars.

Male head of household: Person indicated as such by the main meal-planner/preparer (household respondent); usually the husband of the female head of household if a female head was present.

Main meal-planner/preparer: Person most responsible for planning and preparing the household's meals. Also referred to as the household respondent or the person who responded to the household food consumption survey.

Money value of food used at home: The food values were based on expenditures for bought food and on assigned values for home-produced food and food received free of cost. Expenditures for bought food were based on prices reported as paid regardless of the time of purchase. Sales tax was excluded. In order to make the money values comparable across years, the data were adjusted to 1988 prices using the percentage increase in the consumer price index (CPI) for the respective food group (see table 21 for price adjustment factors).

Nuts (shelled weight equivalent): The weight of nuts in their shells has been converted to their equivalent weight of nutmeats (nuts without shell).

Race: The main meal-planner/preparer reported the race of each household member as white, black, Asian/Pacific Islander, Aleut/Eskimo/American Indian, or some other race. For comparability between surveys, the households were reclassified as white, black, and other.

Region: Those areas of the 48 contiguous States as defined by the U.S. Department of Commerce. The four Census regions and their States were:

Northeast—Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont.

Midwest (formerly North Central)—Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin.

South—Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, West Virginia.

West—Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming.

Survey week: The continuous 7-day period preceding the interview for which information was collected on food used in the household.

Urbanization: Based on metropolitan statistical areas (MSA) defined by the U.S. Department of Commerce at the time the surveys were conducted. The degrees of urbanization used in this report are as follows:

Central city: A city which has a population of 50,000 or more and is the main city within an MSA.

Suburban area: Generally within the boundaries of an MSA but not within the legal limits of the central city.

Nonmetropolitan area: Any area not within an MSA.

Vegetable and fruit juices (juice equivalent): Frozen concentrated citrus and blended citrus juices have been converted to their equivalent weight in terms of single-strength juice (weight of ready-to-use juice).

Table 2--Household size: Average annual household food use (per 21-meal equivalent person)

Item	Year											
	1977/78						1987/88					
	All	Household size					All	Household size				
		One	Two	Three	Four	Five or more		One	Two	Three	Four	Five or more
Household characteristics:												
Households (sample)	14,930	2,761	4,602	2,626	2,492	2,449	4,495	929	1,417	868	786	495
Households (thousands)	68,388	12,673	20,920	11,963	11,504	11,328	88,942	21,183	28,033	16,591	14,026	9,199
Income before taxes (dollars) 1/	17,981	15,056	21,559	19,853	17,446	13,844	20,376	17,566	24,735	21,769	19,440	12,856
Food expenditures: 2/												
Total food (dollars)	2,093	3,010	2,475	2,200	1,962	1,699	2,059	2,845	2,486	2,113	1,841	1,472
At home food (dollars)	1,534	1,981	1,769	1,614	1,448	1,311	1,348	1,685	1,543	1,379	1,256	1,075
Away from home food (dollars)	559	1,030	707	586	513	388	711	1,161	944	734	585	397
Age of household head (years)	48.1	56.0	53.4	44.0	39.6	42.1	47.6	53.9	50.9	43.5	40.6	41.1
Household size (21-meal equivalents)	2.62	.88	1.82	2.63	3.50	5.12	2.22	.83	1.69	2.49	3.32	4.85
Household size (including boarders)	2.96	1.00	2.00	3.00	4.00	5.83	2.64	1.00	2.00	3.00	4.00	5.67
Children under 18 (number)	.95	NA	.06	.75	1.67	3.11	.73	NA	.08	.74	1.64	2.97
Adults over 64 (number)	.30	.44	.53	.18	.05	.07	.31	.40	.50	.18	.09	.10
Food group:	Quantity (pounds per 21-meal equivalent person)											
Dairy products (fresh equivalent)	455.90	472.68	428.87	456.58	455.59	470.27	439.49	450.50	423.24	435.83	446.66	448.34
Fresh fluid milk	310.80	292.75	265.71	310.54	317.05	339.62	296.99	292.12	269.09	291.71	312.77	317.04
Processed milk	25.09	32.02	28.15	21.91	23.22	24.79	18.10	24.77	17.18	14.26	14.16	24.11
Cream, cream substitutes, dips	4.75	7.38	6.65	4.63	4.08	3.52	4.39	5.82	5.39	4.65	3.97	2.98
Frozen desserts with milk	24.00	22.08	24.42	22.98	23.99	24.65	21.37	20.71	23.36	21.21	22.12	18.86
Cheese	91.27	118.45	103.94	96.53	87.24	77.68	98.64	107.08	108.22	104.01	93.65	85.35
Fats and oils												
Table fat	38.63	42.42	42.87	41.28	36.98	34.84	33.85	33.83	38.63	33.37	32.79	30.33
Shortening	16.62	19.86	19.35	17.46	15.68	14.41	15.18	16.13	17.31	14.79	14.85	13.26
Salad, cooking oils	5.78	5.41	5.78	6.18	5.31	5.97	3.09	1.74	3.02	3.22	3.46	3.19
Salad dressings	6.16	7.06	7.25	6.71	5.98	5.10	5.17	4.87	6.30	4.95	4.42	5.18
	10.07	10.09	10.49	10.92	10.01	9.36	10.41	11.08	12.00	10.51	10.07	8.71

See notes at end of table.

--Continued

Table 2--Household size: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year											
	1977/78						1987/88					
	All	Household size					All	Household size				
		One	Two	Three	Four	Five or more		One	Two	Three	Four	Five or more
Food group:	Quantity (pounds per 21-meal equivalent person)											
Flour and cereals												
Flour, not in mixes	68.77	64.62	68.03	67.45	65.78	72.86	60.50	55.25	60.95	59.13	57.87	66.09
Flour mixes	18.00	15.34	19.66	17.23	16.00	19.24	10.77	5.99	12.41	9.39	9.83	13.19
Breakfast cereals	6.71	5.01	6.75	7.17	6.80	6.70	5.07	4.74	5.75	4.68	5.43	4.44
Other cereals	19.90	20.33	18.03	18.68	19.30	22.13	22.21	23.12	20.82	22.20	21.65	23.95
	24.16	23.94	23.59	24.38	23.67	24.78	22.44	21.40	21.98	22.87	20.96	24.52
Bakery products												
Bread	97.84	107.57	97.76	98.93	95.58	97.01	93.59	101.99	98.41	89.82	90.99	91.33
Other baked goods, doughs	52.84	57.76	49.94	52.09	50.04	56.16	46.03	48.51	46.77	43.27	43.38	49.58
	45.00	49.81	47.82	46.84	45.54	40.85	47.56	53.48	51.64	46.55	47.60	41.76
Meat												
Beef	180.51	194.04	197.97	191.56	171.59	166.67	142.94	134.91	148.67	150.64	139.87	136.14
Pork	98.21	102.94	110.86	105.83	93.64	88.04	76.80	72.80	81.02	81.68	77.69	68.48
Veal	52.04	56.10	56.86	55.11	48.43	48.95	41.57	36.09	44.44	43.90	38.85	41.35
Lamb, mutton, goat	1.89	2.61	2.59	1.78	1.63	1.52	.95	1.38	1.17	1.14	.80	.53
Variety meat, game, substitutes	1.77	3.52	2.71	1.42	1.64	1.12	1.24	2.34	1.16	1.34	.85	1.20
Lunch meat	4.43	7.59	5.32	4.95	3.74	3.45	2.87	3.19	2.50	2.89	2.41	3.61
	22.17	21.28	19.63	22.47	22.51	23.61	19.51	19.11	18.38	19.70	19.27	20.96
Poultry, fish, shellfish												
Poultry	72.30	98.70	82.85	76.63	65.30	62.83	86.17	110.78	97.82	87.15	79.31	70.31
Fish, shellfish	52.58	71.36	58.91	55.56	47.53	46.73	64.13	77.15	72.01	64.07	59.76	55.23
	19.72	27.34	23.94	21.07	17.77	16.10	22.04	33.63	25.81	23.09	19.55	15.08
Eggs (fresh equivalent)	34.93	47.63	39.33	35.41	31.88	31.46	26.35	30.35	28.01	27.06	24.66	24.08
Sugars, sweets												
Sugars	49.58	46.35	49.32	51.82	49.33	49.31	40.51	33.31	39.00	36.48	42.99	46.07
Syrups, molasses, honey	28.67	25.68	28.22	30.69	27.75	29.07	22.78	16.58	21.70	20.20	24.40	27.05
Jellies, jams, preserves	5.04	4.64	5.15	5.26	5.02	4.95	4.07	4.90	3.68	3.15	4.29	4.76
Candies, nonfruit toppings	5.40	5.81	5.60	5.17	4.99	5.60	3.61	2.80	3.86	3.35	3.80	3.71
Miscellaneous sweets	6.50	6.75	6.87	6.71	7.01	5.74	6.19	5.89	6.24	6.27	6.13	6.23
	3.97	3.46	3.48	4.00	4.56	3.95	3.87	3.14	3.52	3.51	4.38	4.32

See notes at end of table.

--Continued

Table 2--Household size: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year											
	1977/78						1987/88					
	All	Household size					All	Household size				
		One	Two	Three	Four	Five or more		One	Two	Three	Four	Five or more
Food group:	Quantity (pounds per 21-meal equivalent person)											
Potatoes, sweetpotatoes												
Fresh	72.72	71.18	75.46	74.84	69.55	72.27	65.20	63.24	68.94	62.11	64.23	65.85
Commercially canned	64.17	63.59	68.42	65.93	60.20	63.31	54.57	54.75	59.43	51.49	52.19	54.66
Commercially frozen	1.02	1.24	1.08	1.21	.92	.92	.64	.59	.55	.99	.62	.43
Dehydrated, instant	2.86	1.74	2.15	2.81	3.33	3.24	2.91	1.72	2.38	2.71	3.44	3.56
Chips, sticks, salad	.49	.67	.44	.55	.43	.49	.58	.38	.53	.49	.61	.76
	4.17	3.94	3.37	4.35	4.66	4.31	6.50	5.80	6.05	6.42	7.37	6.44
Fresh vegetables												
Dark green	141.69	202.59	195.02	146.42	122.35	105.90	120.14	153.03	161.54	120.05	97.27	87.02
Deep yellow	12.11	19.92	16.42	12.30	10.07	9.11	15.73	20.85	20.56	15.33	14.87	9.83
Tomatoes	11.52	19.14	15.90	10.86	10.12	8.53	10.65	15.57	13.64	9.97	9.61	7.23
Light green	22.23	32.81	31.51	23.42	18.60	15.99	16.12	23.41	22.06	15.36	12.93	10.97
Other vegetables	49.71	70.84	66.84	51.42	43.12	38.08	38.91	47.78	49.98	41.09	29.77	31.15
	46.11	59.88	64.34	48.42	40.44	34.19	38.72	45.41	55.30	38.29	30.09	27.84
Fresh fruits												
Citrus	150.23	217.01	198.50	152.20	131.38	117.78	146.61	206.48	186.24	142.84	120.89	111.06
Other vitamin C rich	38.74	62.01	53.01	36.53	32.48	30.48	31.87	42.39	39.78	31.45	27.60	24.12
Other fruits	14.63	22.35	21.37	14.71	12.34	10.26	15.37	18.12	24.19	16.97	11.07	7.89
	96.86	132.65	124.12	100.97	86.55	77.04	99.37	145.97	122.28	94.42	82.22	79.05
Canned vegetables and fruits												
Vegetables	61.39	73.89	65.49	65.80	59.99	54.89	48.86	56.46	48.72	51.81	47.90	44.32
Fruits	47.59	56.68	48.37	51.24	46.45	44.15	38.76	45.09	38.18	39.90	38.84	35.72
	13.80	17.20	17.13	14.57	13.54	10.74	10.11	11.37	10.54	11.91	9.05	8.61
Frozen vegetables and fruits												
Vegetables	10.56	16.03	12.90	11.66	10.07	7.74	12.46	17.14	13.36	14.19	11.18	9.38
Fruits	10.13	15.41	12.28	11.25	9.71	7.39	12.13	16.29	12.96	13.86	10.94	9.25
	.44	.62	.61	.42	.36	.35	.33	.85	.40	.33	.24	.14
Vegetable and fruit juices (juice equivalent)	95.50	151.70	110.48	98.70	89.91	77.05	111.86	156.21	120.28	112.13	107.12	90.08
Vegetable juice	8.70	13.61	12.68	9.59	6.99	5.86	6.09	10.30	8.50	6.79	3.64	3.78
Canned fruit juice	25.47	47.63	29.95	27.02	22.73	19.35	20.72	30.41	19.32	18.89	19.95	20.88
Frozen fruit juice	45.85	60.18	49.59	45.85	46.37	40.27	49.26	57.85	53.42	51.39	47.27	41.55
Fresh fruit juice	15.48	30.28	18.26	16.24	13.82	11.57	35.79	57.65	39.04	35.05	36.26	23.87

See notes at end of table.

--Continued

Table 2--Household size: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year											
	1977/78						1987/88					
	All	Household size					All	Household size				
		One	Two	Three	Four	Five or more		One	Two	Three	Four	Five or more
Food group:	Quantity (pounds per 21-meal equivalent person)											
Dried vegetables and fruits												
Vegetables	6.25	7.61	7.05	6.24	5.27	6.15	5.18	5.94	5.89	4.65	4.18	5.65
Fruits	4.90	5.23	5.02	4.96	4.04	5.33	3.79	3.24	4.15	3.39	3.18	4.61
	1.35	2.38	2.03	1.28	1.23	.82	1.39	2.70	1.74	1.26	1.00	1.04
Beverages												
Coffee	198.30	258.71	216.58	222.05	194.70	164.34	266.86	318.83	316.15	293.58	246.16	190.85
Tea	7.29	10.21	10.38	7.97	6.30	5.02	7.93	11.96	10.94	7.80	6.18	5.06
Cocoa, baking chocolate	2.24	2.45	2.55	2.41	2.52	1.72	2.01	2.14	1.99	2.12	2.16	1.73
Soft drinks	1.19	.58	.72	1.23	1.40	1.45	.79	.38	.61	.68	1.16	.87
Ades, punches, nectars	114.19	127.63	112.01	129.60	118.74	101.51	174.07	195.65	195.00	191.25	167.62	134.17
Alcoholic beverages	20.27	20.19	15.58	20.96	22.36	21.54	24.92	25.81	24.93	28.80	26.25	19.58
	53.12	97.64	75.33	59.89	43.38	33.11	57.14	82.89	82.68	62.92	42.78	29.45
Soups, sauces, gravies												
Ready-to-serve	17.05	27.26	18.15	17.18	16.38	14.77	13.98	25.40	15.33	13.88	11.42	10.82
Condensed, frozed, dried	3.75	7.98	4.76	3.50	3.69	2.46	4.92	12.02	5.54	5.07	3.37	2.92
	13.30	19.28	13.39	13.68	12.69	12.31	9.07	13.38	9.79	8.81	8.05	7.90
Nuts, condiments												
Nuts, peanut butter 4/	19.82	17.02	19.75	20.29	20.33	19.80	18.50	17.42	20.46	18.73	18.85	16.26
Catsup, chili sauce, etc.	7.60	8.27	7.66	7.33	7.69	7.52	7.88	8.72	9.09	8.03	7.85	6.15
Pickles, relishes	6.56	4.07	5.76	6.92	7.14	6.97	7.20	4.90	7.08	7.27	7.87	7.47
	5.66	4.69	6.32	6.04	5.50	5.31	3.42	3.80	4.29	3.42	3.12	2.64
Mixtures, dinners												
Canned, frozen, dried	14.42	18.76	13.04	16.25	14.93	13.15	24.30	35.66	24.67	23.82	25.38	18.73
Baby or junior, jarred	12.92	18.68	12.80	13.67	12.70	11.63	23.08	35.66	24.56	21.72	23.38	17.46
	1.51	.08	.24	2.57	2.23	1.52	1.22	3/	.11	2.10	2.00	1.27

Note: Numbers may not add due to rounding.
NA = Not applicable.
1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Less than 0.05.
4/ Nuts in shelled weight equivalent.

Table 3--Household type: Average annual household food use (per 21-meal equivalent person)

Item	Year							
	1977/78				1987/88			
	All	Household type			All	Household type		
		Female head with children	Male and female head with children	Other		Female head with children	Male and female head with children	Other
Household characteristics:								
Households (sample)	14,930	1,317	6,197	7,416	4,495	434	1,718	2,343
Households (thousands)	68,388	6,084	28,463	33,841	88,942	9,647	30,268	49,027
Income before taxes (dollars) 1/	17,981	9,834	18,354	19,180	20,376	10,772	20,750	22,072
Food expenditures: 2/								
Total food (dollars)	2,093	1,771	1,914	2,574	2,059	1,616	1,833	2,571
At home food (dollars)	1,534	1,434	1,426	1,794	1,348	1,151	1,256	1,562
Away from home food (dollars)	559	337	488	780	711	464	577	1,009
Age of household head (years)	48.1	42.0	41.6	54.6	47.6	42.1	41.8	52.3
Household size (21-meal equivalents)	2.62	2.93	3.82	1.55	2.22	2.66	3.42	1.39
Household size (including boarders)	2.96	3.42	4.33	1.72	2.64	3.22	4.05	1.66
Children under 18 (number)	.95	1.72	1.84	.05	.73	1.47	1.58	.06
Adults over 64 (number)	.30	.11	.06	.52	.31	.12	.09	.48
Food group:	Quantity (pounds per 21-meal equivalent person)							
Dairy products (fresh equivalent)	455.90	436.26	467.88	437.72	439.49	395.00	456.09	431.07
Fresh fluid milk	310.80	309.10	329.14	273.29	296.99	277.18	314.14	278.41
Processed milk	25.09	26.31	23.49	28.01	18.10	15.89	18.38	18.51
Cream, cream substitutes, dips	4.75	2.69	4.21	6.57	4.39	2.81	4.08	5.47
Frozen desserts with milk	24.00	20.46	24.75	23.65	21.37	17.73	21.55	22.46
Cheese	91.27	77.70	86.30	106.21	98.64	81.39	97.94	106.21
Fats and oils	38.63	38.73	36.76	42.50	33.85	31.49	32.44	36.89
Table fat	16.62	15.45	15.60	19.15	15.18	13.25	14.53	16.90
Shortening	5.78	7.59	5.46	5.83	3.09	3.95	3.19	2.61
Salad, cooking oils	6.16	6.28	5.64	7.21	5.17	5.53	4.63	5.86
Salad dressings	10.07	9.41	10.05	10.31	10.41	8.75	10.08	11.52

See notes at end of table.

--Continued

Table 3--Household type: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Household type			All	Household type		
		Female head with children	Male and female head with children	Other		Female head with children	Male and female head with children	Other
Food group:	Quantity (pounds per 21-meal equivalent person)							
Flour and cereals								
Flour, not in mixes	68.77	82.47	67.03	67.74	60.50	66.56	60.44	58.30
Flour mixes	18.00	17.41	17.69	18.85	10.77	11.81	10.83	10.30
Breakfast cereals	6.71	6.80	6.95	6.18	5.07	5.52	4.94	5.09
Other cereals	19.90	22.67	20.09	18.57	22.21	20.63	23.04	21.55
	24.16	35.59	22.29	24.13	22.44	28.60	21.63	21.36
Bakery products								
Bread	97.84	95.15	97.41	99.65	93.59	85.06	92.62	98.28
Other baked goods, doughs	52.84	56.46	52.62	52.07	46.03	42.52	45.31	48.45
	45.00	38.69	44.78	47.59	47.56	42.53	47.31	49.84
Meat								
Beef	180.51	191.51	171.52	195.44	142.94	149.74	138.68	146.85
Pork	98.21	93.36	94.40	107.77	76.80	75.63	74.86	80.20
Veal	52.04	61.40	48.29	56.64	41.57	46.61	39.61	42.62
Lamb, mutton, goat	1.89	1.49	1.62	2.57	.95	.76	.84	1.17
Variety meat, game, substitutes	1.77	1.09	1.39	2.80	1.24	1.26	1.13	1.40
Lunch meat	4.43	5.88	3.57	5.73	2.87	3.31	2.89	2.69
	22.17	28.29	22.24	19.94	19.51	22.17	19.34	18.77
Poultry, fish, shellfish								
Poultry	72.30	84.47	63.74	85.93	86.17	81.77	78.15	100.03
Fish, shellfish	52.58	63.60	46.79	60.86	64.13	63.45	58.82	72.46
	19.72	20.86	16.95	25.07	22.04	18.31	19.33	27.57
Eggs (fresh equivalent)	34.93	35.27	31.91	41.08	26.35	25.85	24.75	28.96
Sugars, sweets								
Sugars	49.58	48.45	50.14	48.78	40.51	44.94	41.97	36.62
Syrups, molasses, honey	28.67	28.66	29.00	27.99	22.78	28.69	23.22	19.87
Jellies, jams, preserves	5.04	5.25	5.01	5.03	4.07	3.96	4.09	4.07
Candies, nonfruit toppings	5.40	5.59	5.23	5.70	3.61	3.11	3.74	3.61
Miscellaneous sweets	6.50	5.28	6.64	6.63	6.19	5.22	6.61	5.90
	3.97	3.67	4.27	3.43	3.87	3.97	4.31	3.16

See notes at end of table.

--Continued

Table 3--Household type: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Household type			All	Household type		
		Female head with children	Male and female head with children	Other		Female head with children	Male and female head with children	Other
	Quantity (pounds per 21-meal equivalent person)							
Food group:								
Potatoes, sweetpotatoes								
Fresh	72.72	69.76	72.45	74.27	65.20	62.27	64.91	66.74
Commercially canned	64.17	62.10	63.17	66.98	54.57	51.46	53.36	57.60
Commercially frozen	1.02	1.09	.97	1.11	.64	.91	.60	.58
Dehydrated, instant	2.86	2.51	3.23	2.21	2.91	2.58	3.42	2.25
Chips, sticks, salad	.49	.38	.49	.51	.58	.64	.61	.50
	4.17	3.69	4.59	3.47	6.50	6.67	6.91	5.82
Fresh vegetables								
Dark green	141.69	121.98	120.60	192.19	120.14	87.27	103.75	157.45
Deep yellow	12.11	14.91	9.19	17.23	15.73	13.36	13.30	20.31
Tomatoes	11.52	7.87	9.99	15.96	10.65	6.02	9.83	13.64
Light green	22.23	17.99	18.64	31.12	16.12	9.65	13.88	21.98
Other vegetables	49.71	46.33	42.47	65.90	38.91	31.78	33.59	49.69
	46.11	34.88	40.31	61.98	38.72	26.46	33.15	51.82
Fresh fruits								
Citrus	150.23	123.09	131.17	199.05	146.61	98.96	128.13	192.66
Other vitamin C rich	38.74	34.14	32.53	53.21	31.87	17.58	28.61	42.21
Other fruits	14.63	8.09	12.53	21.21	15.37	7.56	13.15	21.68
	96.86	80.86	86.11	124.63	99.37	73.83	86.38	128.77
Canned vegetables and fruits								
Vegetables	61.39	67.01	57.90	66.72	48.86	52.53	47.14	50.10
Fruits	47.59	57.48	44.74	50.14	38.76	44.53	36.94	39.34
	13.80	9.52	13.17	16.58	10.11	8.00	10.21	10.76
Frozen vegetables and fruits								
Vegetables	10.56	9.58	9.56	12.98	12.46	9.15	11.95	14.47
Fruits	10.13	9.34	9.17	12.39	12.13	9.14	11.66	13.97
	.44	.24	.39	.59	.33	3/	.29	.50
Vegetable and fruit juices (juice equivalent)	95.50	87.10	86.60	116.84	111.86	96.54	105.02	128.05
Vegetable juice	8.70	5.66	7.37	12.51	6.09	3.70	4.81	8.93
Canned fruit juice	25.47	25.04	21.59	33.67	20.72	22.74	19.76	21.42
Frozen fruit juice	45.85	34.60	45.31	50.79	49.26	33.38	49.28	55.23
Fresh fruit juice	15.48	21.80	12.33	19.87	35.79	36.73	31.16	42.46

See notes at end of table.

--Continued

Table 3--Household type: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Household type			All	Household type		
		Female head with children	Male and female head with children	Other		Female head with children	Male and female head with children	Other
Food group:	Quantity (pounds per 21-meal equivalent person)							
Dried vegetables and fruits								
Vegetables	6.25	8.72	5.38	7.20	5.18	5.69	4.74	5.65
Fruits	4.90	7.82	4.30	5.16	3.79	5.16	3.49	3.73
	1.35	.91	1.09	2.03	1.39	.54	1.25	1.92
Beverages								
Coffee	198.30	153.13	191.98	226.83	266.86	223.53	247.09	313.27
Tea	7.29	4.85	6.27	10.24	7.93	4.89	6.74	10.88
Cocoa, baking chocolate	2.24	1.87	2.15	2.56	2.01	2.41	2.04	1.81
Soft drinks	1.19	1.13	1.42	.74	.79	1.07	.92	.49
Ades, punches, nectars	114.19	100.37	116.77	113.55	174.07	168.40	167.45	186.27
Alcoholic beverages	20.27	27.24	21.12	16.15	24.92	32.15	23.91	23.71
	53.12	17.68	44.25	83.61	57.14	14.61	46.02	90.10
Soups, sauces, gravies								
Ready-to-serve	17.05	17.77	15.66	19.69	13.98	11.23	11.95	18.11
Condensed, frozed, dried	3.75	3.80	3.04	5.22	4.92	3.36	3.79	7.21
	13.30	13.97	12.63	14.47	9.07	7.87	8.16	10.90
Nuts, Condiments								
Nuts, peanut butter 4/	19.82	17.47	20.49	19.23	18.50	17.33	18.20	19.39
Catsup, chili sauce, etc.	7.60	6.40	7.64	7.93	7.88	6.85	7.50	8.85
Pickles, relishes	6.56	7.06	7.05	5.38	7.20	8.10	7.49	6.41
	5.66	4.01	5.80	5.93	3.42	2.38	3.21	4.12
Mixtures, dinners								
Canned, frozen, dried	14.42	16.87	14.31	13.81	24.30	23.97	22.57	27.05
Baby or junior, jarred	12.92	15.18	12.19	13.65	23.08	22.89	20.57	26.96
	1.51	1.69	2.12	.16	1.22	1.07	2.01	.09

Note: Numbers may not add due to rounding.
1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Less than 0.05.
4/ Nuts in shelled weight equivalent.

Table 4--Income quintile: Average annual household food use (per 21-meal equivalent person)

Item	Year													
	1977/78							1987/88						
	All	Income quintile					Not reported	All	Income quintile					Not reported
		First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)			First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)	
Household characteristics:														
Households (sample)	14,930	2,203	2,189	2,233	2,189	2,203	3,913	4,495	732	732	729	739	732	831
Households (thousands)	68,388	9,793	9,953	10,253	10,191	10,626	17,571	88,942	13,107	13,056	13,452	15,335	17,875	16,117
Income before taxes (dollars) 1/	17,981	4,803	9,619	14,701	21,067	38,341	NA	20,376	4,251	9,412	14,972	22,313	42,615	NA
Food expenditures: 2/														
Total food (dollars)	2,093	1,500	1,747	1,969	2,323	3,090	2,071	2,059	1,397	1,555	1,939	2,316	3,122	1,985
At home food (dollars)	1,534	1,296	1,394	1,473	1,651	1,921	1,527	1,348	1,102	1,159	1,314	1,462	1,725	1,311
Away from home food (dollars)	559	205	354	496	672	1,169	544	711	295	396	625	854	1,396	674
Age of household head (years)	48.1	52.2	50.3	44.4	44.3	45.8	50.2	47.6	49.7	48.5	46.4	44.6	45.4	51.5
Household size (21-meal equivalents)	2.62	2.60	2.72	2.93	2.62	2.18	2.65	2.22	2.39	2.49	2.31	2.13	1.85	2.27
Household size (including boarders)	2.96	2.85	2.99	3.30	3.00	2.61	2.99	2.64	2.71	2.87	2.71	2.60	2.36	2.69
Children under 18 (number)	.95	1.20	1.08	1.22	.90	.52	.86	.73	1.09	1.00	.80	.63	.37	.65
Adults over 64 (number)	.30	.45	.46	.22	.15	.13	.35	.31	.39	.39	.32	.20	.16	.44
Food group:	Quantity (pounds per 21-meal equivalent person)													
Dairy products (fresh equivalent)	455.90	391.17	440.47	465.00	491.19	511.49	446.58	439.49	392.17	433.43	443.36	471.67	472.06	423.80
Fresh fluid milk	310.80	275.28	306.32	322.32	335.72	327.50	302.81	296.99	271.19	301.00	301.94	314.28	301.38	291.85
Processed milk	25.09	29.46	28.47	24.50	21.20	26.49	22.67	18.10	30.58	19.13	11.15	17.15	15.49	15.65
Cream, cream substitutes, dips	4.75	2.54	3.89	4.62	5.89	7.37	4.58	4.39	2.17	3.48	5.02	5.21	6.72	3.74
Frozen desserts with milk	24.00	19.64	21.90	24.00	26.55	27.98	24.17	21.37	15.09	20.55	23.76	25.14	24.07	19.60
Cheese	91.27	64.25	79.90	89.57	101.83	122.15	92.36	98.64	73.13	89.27	101.49	109.89	124.40	92.96
Fats and oils														
Table fat	38.63	37.51	38.65	37.60	38.44	40.32	39.18	33.85	33.43	31.77	35.54	33.43	34.82	34.12
Shortening	16.62	15.03	16.12	16.07	17.02	18.71	16.89	15.18	13.97	14.53	16.81	15.04	15.98	14:82
Salad, cooking oils	5.78	8.40	6.67	5.01	4.28	3.10	6.52	3.09	5.32	3.25	2.89	2.25	1.73	3.18
Salad dressings	6.16	6.13	6.20	6.16	5.94	6.62	6.06	5.17	5.43	4.46	5.04	5.45	4.74	5.85
	10.07	7.95	9.66	10.36	11.19	11.89	9.72	10.41	8.71	9.52	10.81	10.69	12.37	10.28

See notes at end of table.

--Continued

Table 4--Income quintile: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year													
	1977/78							1987/88						
	All	Income quintile					Not reported	All	Income quintile					Not reported
		First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)			First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)	
Food group:	Quantity (pounds per 21-meal equivalent person)													
Flour and cereals														
Flour, not in mixes	68.77	86.17	73.33	63.79	61.72	54.68	70.87	60.50	72.64	62.49	55.52	56.09	55.62	60.94
Flour mixes	18.00	24.95	19.55	15.89	14.45	11.15	20.11	10.77	16.61	11.94	8.78	8.38	6.86	12.14
Breakfast cereals	6.71	5.68	6.63	7.10	7.52	7.64	6.14	5.07	4.93	5.58	5.05	4.81	4.96	5.08
Other cereals	19.90	19.86	21.75	20.29	19.79	18.32	19.46	22.21	22.34	22.60	22.49	21.83	22.74	21.39
	24.16	35.69	25.40	20.51	19.96	17.57	25.15	22.44	28.77	22.37	19.20	21.07	21.06	22.34
Bakery products														
Bread	97.84	87.55	98.06	97.88	104.29	106.33	95.41	93.59	86.51	93.14	93.73	96.76	102.76	88.78
Other baked goods, doughs	52.84	53.06	55.06	52.87	52.63	50.67	52.62	46.03	48.83	46.80	46.67	44.55	44.39	45.23
	45.00	34.49	43.01	45.01	51.65	55.66	42.78	47.56	37.69	46.34	47.06	52.20	58.37	43.56
Meat														
Beef	180.51	169.53	172.42	175.28	187.21	193.82	184.16	142.94	150.16	142.50	139.15	143.42	133.69	148.36
Pork	98.21	81.78	89.60	98.03	106.45	113.85	99.82	76.80	76.89	74.56	75.35	79.16	75.31	79.22
Veal	52.04	55.71	51.72	47.60	51.97	50.92	53.69	41.57	43.69	41.90	40.77	39.94	38.09	44.73
Lamb, mutton, goat	1.89	1.37	1.59	1.45	2.04	2.98	1.99	.95	.83	.94	.55	1.55	.80	.99
Variety meat, game, substitutes	1.77	1.12	1.55	1.48	1.83	2.90	1.86	1.24	1.51	.45	1.15	1.10	2.14	1.10
Lunch meat	4.43	5.86	4.43	3.84	3.61	3.83	4.80	2.87	3.41	3.45	1.76	2.73	1.77	3.97
	22.17	23.68	23.52	22.88	21.32	19.33	22.00	19.51	23.83	21.20	19.56	18.93	15.58	18.37
Poultry, fish, shellfish														
Poultry	72.30	74.93	68.69	67.82	67.15	81.83	74.05	86.17	83.26	77.87	84.58	85.74	98.23	86.86
Fish, shellfish	52.58	55.75	49.89	49.52	48.51	57.05	54.50	64.13	62.03	59.62	63.13	62.55	71.10	65.89
	19.72	19.17	18.80	18.31	18.64	24.78	19.56	22.04	21.23	18.25	21.46	23.18	27.13	20.97
Eggs (fresh equivalent)	34.93	36.36	35.50	33.37	33.71	34.91	35.52	26.35	28.54	26.34	26.52	25.81	24.92	26.10
Sugars, sweets														
Sugars	49.58	50.77	52.57	50.41	49.41	42.38	50.32	40.51	47.43	45.40	39.11	37.31	34.63	39.59
Syrups, molasses, honey	28.67	32.71	31.66	28.62	27.62	20.63	29.34	22.78	31.20	27.52	21.69	18.65	14.83	23.16
Jellies, jams, preserves	5.04	4.86	5.35	5.10	5.01	4.84	5.04	4.07	4.18	4.25	4.25	3.86	3.48	4.36
Candies, non-fruit toppings	5.40	5.36	5.99	5.19	5.03	5.37	5.44	3.61	3.76	4.14	3.14	3.47	3.68	3.48
Miscellaneous sweets	6.50	4.36	5.94	6.82	7.49	7.50	6.72	6.19	4.95	5.21	6.12	6.86	8.38	5.57
	3.97	3.48	3.62	4.67	4.26	4.04	3.78	3.87	3.34	4.28	3.91	4.47	4.26	3.02

See notes at end of table.

--Continued

Table 4--Income quintile: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year													
	1977/78							1987/88						
	All	Income quintile					Not reported	All	Income quintile					Not reported
		First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)			First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)	
Food group:	Quantity (pounds per 21-meal equivalent person)													
Potatoes, sweetpotatoes														
Fresh	72.72	76.28	77.86	72.22	70.30	62.91	74.36	65.20	72.38	66.31	67.44	64.31	56.96	64.44
Commercially canned	64.17	70.10	70.29	62.30	59.97	53.40	66.36	54.57	62.95	55.13	55.27	52.73	46.54	55.25
Commercially frozen	1.02	1.20	.93	1.12	1.07	1.09	.86	.64	1.07	.58	1.01	.40	.34	.47
Dehydrated, instant	2.86	1.63	2.51	3.64	3.49	2.94	2.82	2.91	2.19	3.31	3.07	3.29	2.95	2.64
Chips; sticks, salad	.49	.61	.43	.53	.63	.50	.34	.58	.59	.73	.83	.48	.49	.39
	4.17	2.74	3.70	4.63	5.14	4.98	3.98	6.50	5.57	6.55	7.25	7.41	6.64	5.69
Fresh vegetables														
Dark green	141.69	120.16	134.03	133.27	142.87	174.60	146.32	120.14	93.54	97.55	116.06	124.96	152.89	132.49
Deep yellow	12.11	13.85	11.51	10.12	10.26	13.26	13.29	15.73	10.92	10.48	16.07	16.08	23.14	17.20
Tomatoes	11.52	8.05	10.84	10.51	11.88	15.78	12.16	10.65	7.16	8.70	10.76	11.32	15.37	10.40
Light green	22.23	18.27	21.43	21.41	22.90	27.79	22.24	16.12	11.87	14.17	15.91	15.93	19.71	18.61
Other vegetables	49.71	45.76	46.95	46.02	48.67	58.33	52.17	38.91	35.37	32.13	34.53	41.39	45.01	43.97
	46.11	34.23	43.29	45.20	49.17	59.44	46.45	38.72	28.22	32.07	38.78	40.23	49.66	42.31
Fresh fruits														
Citrus	150.23	113.42	140.40	147.02	163.57	190.30	150.59	146.61	106.73	115.70	132.20	150.01	205.10	164.45
Other vitamin C rich	38.74	32.03	37.27	33.46	42.67	48.53	39.57	31.87	19.84	24.00	29.79	27.94	53.45	34.87
Other fruits	14.63	6.96	13.88	14.35	15.70	22.77	14.77	15.37	7.73	10.76	12.93	15.53	22.51	21.44
	96.86	74.44	89.24	99.21	105.20	119.00	96.25	99.37	79.16	80.93	89.48	106.54	129.13	108.13
Canned vegetables and fruits														
Vegetables	61.39	66.19	63.05	59.80	61.63	59.11	59.83	48.86	56.31	49.01	50.83	52.85	41.50	43.80
Fruits	47.59	55.29	50.56	45.47	46.04	44.61	45.38	38.76	46.51	39.76	39.24	40.67	32.52	34.75
	13.80	10.90	12.49	14.33	15.59	14.50	14.45	10.11	9.80	9.26	11.59	12.17	8.99	9.05
Frozen vegetables and fruits														
Vegetables	10.56	7.14	8.65	10.47	12.52	15.60	9.99	12.46	7.04	10.55	12.40	14.98	17.36	12.15
Fruits	10.13	6.85	8.26	10.09	12.01	15.00	9.53	12.13	6.86	10.23	12.09	14.56	16.93	11.84
	.44	.29	.39	.38	.51	.60	.46	.33	.18	.32	.31	.42	.43	.31
Vegetable and fruit juices (juice equivalent)	95.50	76.83	83.86	87.99	107.78	125.00	95.63	111.86	95.49	84.52	112.28	125.92	139.25	112.46
Vegetable juice	8.70	5.68	7.88	7.60	10.00	11.99	9.17	6.09	4.89	4.65	7.13	6.16	7.06	6.57
Canned fruit juice	25.47	25.55	24.16	22.14	25.48	29.26	26.45	20.72	27.39	19.45	19.65	19.15	23.16	16.24
Frozen fruit juice	45.85	27.98	36.66	44.94	57.08	64.68	45.75	49.26	32.81	35.43	52.86	60.19	62.03	51.23
Fresh fruit juice	15.48	17.62	15.15	13.31	15.23	19.07	14.26	35.79	30.39	24.98	32.63	40.42	47.00	38.41

See notes at end of table.

--Continued

Table 4--Income quintile: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year													
	1977/78							1987/88						
	All	Income quintile					Not reported	All	Income quintile					Not reported
		First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)			First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)	
Food group:	Quantity (pounds per 21-meal equivalent person)													
Dried vegetables and fruits	6.25	10.23	7.10	4.84	4.49	4.11	6.55	5.18	7.34	4.68	3.54	4.54	3.90	6.90
Vegetables	4.90	9.48	5.87	3.46	2.89	2.51	5.11	3.79	6.47	3.48	2.51	2.91	2.28	5.01
Fruits	1.35	.74	1.24	1.38	1.60	1.60	1.44	1.39	.87	1.19	1.02	1.64	1.62	1.89
Beverages	198.30	137.58	163.85	200.47	239.70	277.14	187.25	266.86	188.61	223.60	268.00	311.57	347.66	258.15
Coffee	7.29	5.53	6.53	6.75	7.84	9.59	7.59	7.93	5.68	6.95	8.08	8.56	10.96	7.27
Tea	2.24	1.66	2.05	2.27	2.58	2.74	2.21	2.01	2.29	2.02	2.21	2.84	1.21	1.59
Cocoa, baking chocolate	1.19	.85	1.22	1.25	1.35	1.37	1.15	.79	.72	.77	1.04	.72	.73	.78
Soft drinks	114.19	87.74	98.65	116.12	134.17	147.55	108.41	174.07	134.98	154.34	183.51	196.73	210.45	163.82
Ades, punches, nectars	20.27	18.17	19.21	21.30	21.71	21.38	20.00	24.92	18.05	21.93	22.36	31.62	28.01	26.84
Alcoholic beverages	53.12	23.63	36.20	52.78	72.05	94.50	47.89	57.14	26.90	37.59	50.80	71.10	96.29	57.85
Soups, sauces, gravies	17.05	16.24	17.03	16.48	17.15	18.31	17.19	13.98	11.17	14.11	15.13	14.38	17.02	12.19
Ready-to-serve	3.75	3.44	3.40	3.53	3.79	4.68	3.79	4.92	2.98	4.92	4.99	4.45	7.52	4.57
Condensed, frozed, dried	13.30	12.81	13.63	12.95	13.36	13.63	13.40	9.07	8.19	9.19	10.14	9.93	9.49	7.63
Nuts, condiments	19.82	15.15	18.45	20.45	23.27	23.07	19.17	18.50	15.60	18.24	18.95	18.28	22.47	17.42
Nuts, peanut butter 3/	7.60	5.75	7.26	7.74	8.67	9.31	7.25	7.88	6.03	7.28	7.71	8.05	10.80	7.34
Catsup, chili sauce, etc.	6.56	5.86	6.36	6.88	7.11	7.08	6.29	7.20	7.24	7.47	7.66	6.91	7.01	6.96
Pickles, relishes	5.66	3.53	4.84	5.83	7.50	6.68	5.62	3.42	2.33	3.48	3.58	3.33	4.65	3.11
Mixtures, dinners	14.42	13.65	14.76	15.50	15.60	14.90	13.03	24.30	18.76	21.32	25.28	29.79	31.85	19.08
Canned, frozen, dried	12.92	11.84	13.20	13.37	14.18	13.95	11.80	23.08	17.49	20.45	23.83	27.61	31.31	18.02
Baby or junior, jarred	1.51	1.81	1.55	2.13	1.42	.95	1.23	1.22	1.27	.87	1.45	2.19	.54	1.06

Note: Numbers may not add due to rounding.
NA = Not applicable.
1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Nuts in shelled weight equivalent.

Table 5--Race: Average annual household food use (per 21-meal equivalent person)

Item	Year							
	1977/78				1987/88			
	All	Race			All	Race		
		White	Black	Other		White	Black	Other
Household characteristics:								
Households (sample)	14,930	12,735	1,735	460	4,495	3,824	518	153
Households (thousands)	68,388	58,153	7,956	2,279	88,942	75,949	9,794	3,199
Income before taxes (dollars) 1/	17,981	19,158	10,849	12,999	20,376	21,755	11,618	13,659
Food expenditures: 2/								
Total food (dollars)	2,093	2,162	1,743	1,780	2,059	2,146	1,560	1,843
At home food (dollars)	1,534	1,562	1,397	1,401	1,348	1,383	1,134	1,285
Away from home food (dollars)	559	600	346	380	711	763	425	558
Age of household head (years)	48.1	48.4	47.4	41.4	47.6	48.1	46.6	40.5
Household size (21-meal equivalents)	2.62	2.56	2.82	3.37	2.22	2.16	2.50	2.83
Household size (including boarders)	2.96	2.90	3.20	3.73	2.64	2.58	2.95	3.26
Children under 18 (number)	.95	.88	1.27	1.60	.73	.67	1.06	1.20
Adults over 64 (number)	.30	.31	.26	.12	.31	.32	.26	.21
Food group:	Quantity (pounds per 21-meal equivalent person)							
Dairy products (fresh equivalent)	455.90	480.12	311.99	407.47	439.49	468.30	272.19	371.39
Fresh fluid milk	310.80	327.28	205.31	299.78	296.99	317.26	177.64	253.63
Processed milk	25.09	25.75	24.04	15.44	18.10	17.38	21.84	21.17
Cream, cream substitutes, dips	4.75	5.30	1.84	2.45	4.39	4.92	1.36	3.10
Frozen desserts with milk	24.00	25.12	19.23	16.25	21.37	22.50	16.35	14.46
Cheese	91.27	96.66	61.57	73.55	98.64	106.25	55.00	79.02
Fats and oils								
Table fat	38.63	38.72	38.28	37.97	33.85	34.26	31.94	31.69
Shortening	16.62	17.34	13.61	11.64	15.18	15.94	12.46	8.87
Salad, cooking oils	5.78	5.11	9.66	7.46	3.09	2.67	5.90	2.93
Salad dressings	6.16	5.86	6.47	11.19	5.17	4.67	6.11	11.84
	10.07	10.42	8.54	7.69	10.41	10.98	7.47	8.06

See notes at end of table.

--Continued

Table 5--Race: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Race			All	Race		
		White	Black	Other		White	Black	Other
Food group:	Quantity (pounds per 21-meal equivalent person)							
Flour and cereals								
Flour, not in mixes	68.77	64.27	87.46	101.47	60.50	57.17	69.40	96.71
Flour mixes	18.00	17.28	18.54	30.43	10.77	9.90	12.75	21.20
Breakfast cereals	6.71	7.01	5.54	4.30	5.07	5.27	4.47	2.99
Other cereals	19.90	20.08	19.14	18.73	22.21	22.99	19.19	16.45
	24.16	19.89	44.25	48.01	22.44	19.01	33.00	56.07
Bakery products								
Bread	97.84	100.66	82.60	87.78	93.59	97.20	77.06	73.01
Other baked goods, doughs	52.84	53.26	48.79	56.65	46.03	46.60	42.99	44.02
	45.00	47.40	33.80	31.13	47.56	50.60	34.07	28.99
Meat								
Beef	180.51	175.47	219.55	164.07	142.94	136.03	182.18	161.77
Pork	98.21	98.65	98.15	89.81	76.80	75.04	85.47	85.17
Veal	52.04	48.21	78.83	47.87	41.57	37.69	64.63	49.15
Lamb, mutton, goat	1.89	1.89	2.33	.48	.95	.96	.87	.88
Variety meat, game, substitutes	1.77	1.76	1.87	1.86	1.24	.98	1.04	6.49
Lunch meat	4.43	3.80	8.62	4.54	2.87	2.60	4.52	3.30
	22.17	21.16	29.76	19.51	19.51	18.75	25.64	16.79
Poultry, fish, shellfish								
Poultry	72.30	66.30	110.74	76.05	86.17	78.99	126.47	106.98
Fish, shellfish	52.58	48.68	77.22	56.19	64.13	59.41	90.91	77.05
	19.72	17.63	33.52	19.86	22.04	19.58	35.56	29.92
Eggs (fresh equivalent)	34.93	34.48	35.99	40.48	26.35	25.94	28.60	27.64
Sugars, sweets								
Sugars	49.58	49.98	49.72	41.23	40.51	39.45	49.18	36.08
Syrups, molasses, honey	28.67	27.93	34.28	26.49	22.78	20.70	36.05	24.41
Jellies, jams, preserves	5.04	5.07	5.12	4.19	4.07	4.14	4.03	2.84
Candies, nonfruit toppings	5.40	5.58	4.79	3.73	3.61	3.74	3.17	2.53
Miscellaneous sweets	6.50	7.12	3.25	3.87	6.19	6.74	3.63	3.14
	3.97	4.27	2.28	2.95	3.87	4.14	2.30	3.16

See notes at end of table.

--Continued

Table 5--Race: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Race			All	Race		
		White	Black	Other		White	Black	Other
	Quantity (pounds per 21-meal equivalent person)							
Food group:								
Potatoes, sweetpotatoes								
Fresh	72.72	74.51	64.95	60.67	65.20	66.43	58.61	60.78
Commercially canned	64.17	65.36	59.07	56.07	54.57	55.46	49.72	51.76
Commercially frozen	1.02	.97	1.50	.62	.64	.57	1.33	.08
Dehydrated, instant	2.86	3.17	1.52	.80	2.91	3.08	1.70	3.09
Chips, sticks, salad	.49	.52	.23	.51	.58	.61	.33	.64
	4.17	4.48	2.64	2.67	6.50	6.72	5.52	5.28
Fresh vegetables								
Dark green	141.69	144.46	127.66	129.04	120.14	120.52	107.09	148.68
Deep yellow	12.11	9.97	26.19	12.52	15.73	14.75	20.36	20.97
Tomatoes	11.52	12.56	5.00	10.42	10.65	11.73	3.86	9.46
Light green	22.23	23.69	13.20	20.37	16.12	17.17	8.93	16.76
Other vegetables	49.71	49.52	53.10	43.46	38.91	37.06	47.20	50.03
	46.11	48.71	30.17	42.27	38.72	39.81	26.74	51.46
Fresh fruits								
Citrus	150.23	153.97	123.76	155.19	146.61	152.37	111.33	137.95
Other vitamin C rich	38.74	39.09	33.27	48.11	31.87	33.50	19.00	37.14
Other fruits	14.63	16.25	6.30	7.47	15.37	16.74	7.12	12.87
	96.86	98.63	84.18	99.61	99.37	102.13	85.21	87.93
Canned vegetables and fruits								
Vegetables	61.39	61.73	56.31	69.75	48.86	49.42	48.45	40.03
Fruits	47.59	46.79	48.98	58.98	38.76	38.54	42.99	31.16
	13.80	14.94	7.34	10.77	10.11	10.87	5.46	8.87
Frozen vegetables and fruits								
Vegetables	10.56	10.56	12.20	5.80	12.46	12.93	11.05	7.63
Fruits	10.13	10.07	12.11	5.45	12.13	12.54	11.03	7.63
	.44	.49	.09	.35	.33	.39	3/	3/
Vegetable and fruit juices (juice equivalent)	95.50	97.31	84.48	92.60	111.86	112.74	110.54	99.53
Vegetable juice	8.70	9.52	3.94	6.72	6.09	6.73	2.33	4.80
Canned fruit juice	25.47	24.48	31.04	28.44	20.72	19.05	28.72	29.30
Frozen fruit juice	45.85	49.79	23.83	33.85	49.26	53.25	30.40	28.16
Fresh fruit juice	15.48	13.53	25.66	23.59	35.79	33.71	49.09	37.28

See notes at end of table.

--Continued

Table 5--Race: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Race			All	Race		
		White	Black	Other		White	Black	Other
Food group:	Quantity (pounds per 21-meal equivalent person)							
Dried vegetables and fruits	6.25	5.23	9.57	16.31	5.18	4.52	7.40	11.01
Vegetables	4.90	3.72	9.13	15.49	3.79	2.99	6.63	10.49
Fruits	1.35	1.51	.44	.83	1.39	1.53	.77	.52
Beverages	198.30	206.78	157.40	153.52	266.86	279.34	194.54	236.93
Coffee	7.29	7.92	3.65	5.64	7.93	8.76	2.99	6.14
Tea	2.24	2.42	1.30	1.63	2.01	2.09	1.80	1.10
Cocoa, baking chocolate	1.19	1.29	.58	1.14	.79	.86	.50	.36
Soft drinks	114.19	118.55	91.38	96.36	174.07	182.34	130.06	143.63
Ades, punches, nectars	20.27	19.35	28.52	14.05	24.92	24.14	31.67	20.70
Alcoholic beverages	53.12	57.26	31.97	34.72	57.14	61.14	27.52	65.00
Soups, sauces, gravies	17.05	17.71	13.44	14.88	13.98	15.23	6.90	10.55
Ready-to-serve	3.75	3.91	3.04	2.86	4.92	5.29	3.39	2.32
Condensed, frozed, dried	13.30	13.80	10.40	12.02	9.07	9.95	3.51	8.23
Nuts, condiments	19.82	21.24	13.59	10.51	18.50	19.69	12.23	13.85
Nuts, peanut butter 4/	7.60	8.22	4.80	3.82	7.88	8.48	4.51	6.25
Catsup, chili sauce, etc.	6.56	6.72	6.31	4.21	7.20	7.50	5.85	5.40
Pickles, relishes	5.66	6.30	2.48	2.48	3.42	3.71	1.88	2.20
Mixtures, dinners	14.42	15.20	9.78	12.97	24.30	26.25	13.59	17.96
Canned, frozen, dried	12.92	13.78	8.29	9.69	23.08	25.12	12.32	15.21
Baby or junior, jarred	1.51	1.42	1.49	3.28	1.22	1.13	1.27	2.75

Note: Numbers may not add due to rounding.
1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Less than 0.05.
4/ Nuts in shelled weight equivalent.

Table 6--Region: Average annual household food use (per 21-meal equivalent person)

Item	Year									
	1977/78					1987/88				
	All	Region				All	Region			
		Northeast	Midwest	South	West		Northeast	Midwest	South	West
Household characteristics:										
Households (sample)	14,930	3,541	3,746	5,191	2,452	4,495	905	1,172	1,567	851
Households (thousands)	68,388	16,714	17,971	21,104	12,599	88,942	18,875	21,975	30,620	17,472
Income before taxes (dollars) 1/	17,981	19,131	18,531	15,330	19,936	20,376	22,297	20,582	18,736	20,746
Food expenditures: 2/										
Total food (dollars)	2,093	2,361	1,983	1,916	2,194	2,059	2,179	1,955	2,054	2,072
At home food (dollars)	1,534	1,708	1,474	1,442	1,544	1,348	1,447	1,309	1,328	1,320
Away from home food (dollars)	559	653	509	474	650	711	732	646	726	751
Age of household head (years)	48.1	47.6	47.9	49.6	46.3	47.6	50.2	46.0	47.7	46.7
Household size (21-meal equivalents)	2.62	2.64	2.73	2.57	2.51	2.22	2.30	2.33	2.11	2.18
Household size (including boarders)	2.96	2.99	3.07	2.92	2.84	2.64	2.68	2.78	2.56	2.56
Children under 18 (number)	.95	.94	1.02	.93	.89	.73	.71	.85	.67	.69
Adults over 64 (number)	.30	.28	.29	.33	.27	.31	.35	.26	.32	.31
Food group:	Quantity (pounds per 21-meal equivalent person)									
Dairy products (fresh equivalent)	455.90	471.39	476.59	393.97	508.65	439.49	446.18	481.40	383.67	470.23
Fresh fluid milk	310.80	318.90	331.91	268.20	339.95	296.99	303.98	336.66	250.42	314.69
Processed milk	25.09	24.96	20.66	26.52	29.70	18.10	15.42	13.00	20.06	24.72
Cream, cream substitutes, dips	4.75	5.01	5.23	3.07	6.50	4.39	5.15	4.88	2.66	5.82
Frozen desserts with milk	24.00	23.92	25.79	23.03	23.00	21.37	20.43	22.39	22.11	19.79
Cheese	91.27	98.59	93.00	73.15	109.50	98.64	101.20	104.46	88.43	105.20
Fats and oils										
Table fat	38.63	36.47	37.74	41.52	38.08	33.85	33.84	31.82	37.49	30.40
Shortening	16.62	16.74	17.87	15.45	16.55	15.18	16.20	16.01	14.51	14.04
Salad, cooking oils	5.78	2.44	5.46	9.79	4.04	3.09	1.61	2.91	4.89	1.95
Salad dressings	6.16	8.14	4.44	6.04	6.28	5.17	5.84	3.57	6.81	3.[illegible]
	10.07	9.15	9.96	10.24	11.21	10.41	10.19	9.33	11.29	10.61

See notes at end of table.

--Continued

Table 6--Region: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year									
	1977/78					1987/88				
	All	Region				All	Region			
		Northeast	Midwest	South	West		Northeast	Midwest	South	West
	Quantity (pounds per 21-meal equivalent person)									
Food group:										
Flour and cereals										
Flour, not in mixes	68.77	63.52	62.39	81.85	63.53	60.50	60.89	55.07	65.88	58.23
Flour mixes	18.00	10.35	16.06	26.56	16.98	10.77	6.71	9.37	13.35	12.93
Breakfast cereals	6.71	6.45	7.48	5.79	7.46	5.07	4.84	5.15	5.44	4.59
Other cereals	19.90	20.16	22.00	17.83	19.87	22.21	23.05	22.86	21.68	21.29
	24.16	26.57	16.85	31.67	19.22	22.44	26.29	17.68	25.40	19.43
Bakery products										
Bread	97.84	103.75	100.00	93.26	94.12	93.59	94.43	96.97	91.49	91.65
Other baked goods, doughs	52.84	51.62	53.90	51.97	54.41	46.03	42.36	47.06	45.57	49.63
	45.00	52.13	46.10	41.29	39.71	47.56	52.07	49.91	45.93	42.02
Meat										
Beef	180.51	179.19	188.25	185.03	162.62	142.94	130.04	145.95	162.86	119.77
Pork	98.21	97.65	102.73	95.36	96.86	76.80	66.51	79.19	86.38	69.05
Veal	52.04	49.05	53.37	60.78	39.16	41.57	40.48	39.78	49.44	31.83
Lamb, mutton, goat	1.89	3.84	1.05	1.37	1.35	.95	2.14	.82	.51	.49
Variety meat, game, substitutes	1.77	3.52	.78	.57	2.94	1.24	1.77	.56	.71	2.43
Lunch meat	4.43	3.71	4.24	5.21	4.42	2.87	2.84	2.60	3.64	1.98
	22.17	21.42	26.09	21.74	17.88	19.51	16.31	23.00	22.16	13.97
Poultry, fish, shellfish										
Poultry	72.30	81.50	60.42	80.96	63.01	86.17	97.59	71.33	91.84	83.53
Fish, shellfish	52.58	60.40	45.68	56.71	45.29	64.13	71.10	54.56	67.16	63.93
	19.72	21.10	14.74	24.25	17.72	22.04	26.49	16.76	24.68	19.60
Eggs (fresh equivalent)	34.93	31.25	33.36	38.19	36.86	26.35	25.13	25.14	28.02	26.51
Sugars, sweets										
Sugars	49.58	42.27	50.03	57.80	44.92	40.51	34.72	39.12	49.85	33.10
Syrups, molasses, honey	28.67	21.84	27.33	38.62	23.17	22.78	16.86	18.91	34.08	15.53
Jellies, jams, preserves	5.04	4.13	4.81	5.18	6.45	4.07	3.77	3.66	4.16	4.80
Candies, nonfruit toppings	5.40	4.62	5.43	6.11	5.22	3.61	3.21	3.63	3.58	4.09
Miscellaneous sweets	6.50	7.00	7.94	4.94	6.25	6.19	6.76	8.10	4.68	5.51
	3.97	4.68	4.53	2.96	3.84	3.87	4.12	4.81	3.35	3.18

See notes at end of table.

--Continued

Table 6--Region: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year									
	1977/78					1987/88				
	All	Region				All	Region			
		Northeast	Midwest	South	West		Northeast	Midwest	South	West
	Quantity (pounds per 21-meal equivalent person)									
Food group:										
Potatoes, sweetpotatoes										
Fresh	72.72	66.68	79.30	76.99	63.59	65.20	60.75	70.17	69.47	56.32
Commercially canned	64.17	57.39	69.13	70.07	55.82	54.57	50.93	57.76	58.07	48.50
Commercially frozen	1.02	.98	.84	1.29	.91	.64	.68	.46	.78	.58
Dehydrated, instant	2.86	3.56	3.57	1.92	2.39	2.91	2.61	3.81	2.92	2.01
Chips, sticks, salad	.49	.43	.60	.36	.62	.58	.51	.63	.69	.40
	4.17	4.32	5.16	3.35	3.86	6.50	6.03	7.51	7.01	4.83
Fresh vegetables										
Dark green	141.69	140.55	131.43	146.38	151.12	120.14	127.82	101.72	121.49	133.89
Deep yellow	12.11	13.73	8.72	13.31	13.07	15.73	16.79	11.58	16.99	17.97
Tomatoes	11.52	12.60	12.44	7.63	15.29	10.65	13.11	10.11	7.38	14.13
Light green	22.23	21.74	21.49	22.38	23.81	16.12	15.34	14.51	16.53	18.50
Other vegetables	49.71	42.79	44.96	58.81	51.08	38.91	37.39	32.60	44.58	39.53
	46.11	49.69	43.81	44.26	47.87	38.72	45.20	32.93	36.01	43.75
Fresh fruits										
Citrus	150.23	152.29	144.58	134.06	183.88	146.61	143.73	142.54	136.99	171.70
Other vitamin C rich	38.74	44.28	37.27	29.86	48.58	31.87	33.26	26.34	32.12	37.30
Other fruits	14.63	13.55	13.78	12.35	21.34	15.37	15.83	14.50	13.08	19.88
	96.86	94.46	93.53	91.86	113.95	99.37	94.64	101.70	91.79	114.52
Canned vegetables and fruits										
Vegetables	61.39	60.57	62.63	62.94	57.97	48.86	48.53	49.07	55.59	37.54
Fruits	47.59	47.72	46.27	51.08	43.47	38.76	38.21	36.61	46.54	29.04
	13.80	12.85	16.36	11.86	14.50	10.11	10.32	12.46	9.05	8.50
Frozen vegetables and fruits										
Vegetables	10.56	13.66	8.45	9.28	11.75	12.46	15.39	10.30	13.93	9.52
Fruits	10.13	13.10	7.97	9.03	11.23	12.13	15.09	9.80	13.66	9.30
	.44	.56	.47	.25	.52	.33	.30	.50	.27	.22
Vegetable and fruit juices (juice equivalent)	95.50	117.93	86.12	79.70	105.94	111.86	128.29	110.33	101.81	112.26
Vegetable juice	8.70	8.32	9.56	7.23	10.44	6.09	6.09	7.89	4.71	6.03
Canned fruit juice	25.47	25.07	20.67	27.85	29.38	20.72	17.58	18.07	22.77	24.39
Frozen fruit juice	45.85	53.78	47.32	33.45	53.81	49.26	41.16	59.75	37.57	64.21
Fresh fruit juice	15.48	30.76	8.57	11.17	12.32	35.79	63.45	24.62	36.76	17.63

See notes at end of table.

--Continued

Table 6--Region: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year									
	1977/78					1987/88				
	All	Region				All	Region			
		Northeast	Midwest	South	West		Northeast	Midwest	South	West
Food group:	Quantity (pounds per 21-meal equivalent person)									
Dried vegetables and fruits	6.25	4.03	3.85	9.15	8.08	5.18	3.56	3.47	7.38	5.58
Vegetables	4.90	2.48	2.64	8.31	5.94	3.79	1.78	2.18	6.21	4.12
Fruits	1.35	1.56	1.21	.84	2.13	1.39	1.78	1.29	1.17	1.46
Beverages	198.30	212.14	209.29	181.98	190.04	266.86	263.76	276.16	268.81	254.58
Coffee	7.29	7.22	7.49	7.38	6.93	7.93	8.89	7.46	7.86	7.57
Tea	2.24	3.80	1.31	2.37	1.30	2.01	3.52	.68	2.48	1.28
Cocoa, baking chocolate	1.19	1.37	1.43	.76	1.31	.79	1.16	.81	.61	.66
Soft drinks	114.19	111.16	123.87	117.57	97.60	174.07	164.07	194.13	179.01	150.06
Ades, punches, nectars	20.27	24.43	21.60	17.46	17.25	24.92	29.79	21.08	25.54	23.49
Alcoholic beverages	53.12	64.15	53.60	36.44	65.66	57.14	56.32	52.01	53.31	71.52
Soups, sauces, gravies	17.05	18.09	18.46	14.84	17.22	13.98	14.57	16.71	11.05	14.63
Ready-to-serve	3.75	4.51	3.66	3.36	3.52	4.92	5.49	5.42	3.89	5.32
Condensed, frozed, dried	13.30	13.58	14.80	11.48	13.71	9.07	9.07	11.29	7.16	9.31
Nuts, condiments	19.82	19.86	22.67	17.49	19.35	18.50	20.04	19.63	16.20	19.11
Nuts, peanut butter 3/	7.69	7.59	7.72	6.71	8.96	7.88	7.60	8.14	7.07	9.23
Catsup, chili sauce, etc.	6.56	6.94	7.74	5.83	5.46	7.20	9.27	7.22	6.39	6.20
Pickles, relishes	5.66	5.33	7.22	4.95	4.93	3.42	3.17	4.27	2.75	3.69
Mixtures, dinners	14.42	15.22	14.56	13.54	14.60	24.30	20.50	29.49	23.09	23.69
Canned, frozen, dried	12.92	13.64	13.25	11.85	13.20	23.08	19.24	28.20	21.75	22.79
Baby or junior, jarred	1.51	1.58	1.31	1.69	1.40	1.22	1.26	1.28	1.34	.90

Note: Numbers may not add due to rounding.
1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Nuts in shelled weight equivalent.

Table 7--Urbanization: Average annual household food use (per 21-meal equivalent person)

Item	Year							
	1977/78				1987/88			
	All	Urbanization			All	Urbanization		
		Central city	Suburban	Nonmetro		Central city	Suburban	Nonmetro
Household characteristics:								
Households (sample)	14,930	4,424	5,234	5,272	4,495	1,064	2,122	1,309
Households (thousands)	68,388	21,541	24,590	22,256	88,942	27,717	40,871	20,354
Income before taxes (dollars) 1/	17,981	16,618	20,544	16,391	20,376	18,435	24,028	15,260
Food expenditures: 2/								
Total food (dollars)	2,093	2,185	2,234	1,856	2,059	2,021	2,227	1,774
At home food (dollars)	1,534	1,595	1,580	1,431	1,348	1,326	1,414	1,245
Away from home food (dollars)	559	591	654	426	711	695	814	530
Age of household head (years)	48.1	47.1	47.2	49.9	47.6	47.1	47.2	49.2
Household size (21-meal equivalents)	2.62	2.41	2.72	2.70	2.22	2.12	2.25	2.29
Household size (including boarders)	2.96	2.75	3.12	2.99	2.64	2.49	2.72	2.69
Children under 18 (number)	.95	.86	1.01	.96	.73	.72	.71	.78
Adults over 64 (number)	.30	.29	.26	.35	.31	.31	.27	.37
	Quantity (pounds per 21-meal equivalent person)							
Food group:								
Dairy products (fresh equivalent)								
Fresh fluid milk	455.90	435.92	482.37	443.79	439.49	419.84	453.82	435.92
Processed milk	310.80	292.64	329.01	306.27	296.99	281.98	306.67	296.75
Cream, cream substitutes, dips	25.09	23.93	21.85	29.69	18.10	24.96	13.79	18.00
Frozen desserts with milk	4.75	4.62	5.55	3.97	4.39	4.22	4.97	3.47
Cheese	24.00	20.63	25.94	24.76	21.37	17.08	24.64	20.28
Fats and oils	91.27	94.11	100.02	79.09	98.64	91.59	103.75	97.41
Table fat	38.63	37.82	37.39	40.72	33.85	30.45	33.91	38.03
Shortening	16.62	15.68	17.01	17.02	15.18	13.96	15.71	15.68
Salad, cooking oils	5.78	5.16	4.06	8.22	3.09	2.34	1.99	6.22
Salad dressings	6.16	7.48	5.86	5.36	5.17	5.42	4.56	6.07
	10.07	9.50	10.46	10.11	10.41	8.73	11.64	10.07

See notes at end of table.

--Continued

Table 7--Urbanization: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Urbanization			All	Urbanization		
		Central city	Suburban	Nonmetro		Central city	Suburban	Nonmetro
Food group:	Quantity (pounds per 21-meal equivalent person)							
Flour and cereals								
Flour, not in mixes	68.77	70.98	60.44	76.12	60.50	62.97	56.06	66.17
Flour mixes	18.00	13.70	13.42	26.81	10.77	9.75	8.13	17.30
Breakfast cereals	6.71	6.57	6.93	6.59	5.07	5.01	5.23	4.82
Other cereals	19.90	20.22	20.06	19.46	22.21	22.30	22.73	21.08
	24.16	30.49	20.03	23.26	22.44	25.90	19.97	22.97
Bakery products								
Bread	97.84	94.46	101.75	96.41	93.59	85.06	97.74	96.13
Other baked goods, doughs	52.84	52.81	52.76	52.97	46.03	43.20	45.86	49.94
	45.00	41.66	48.99	43.44	47.56	41.86	51.88	46.19
Meat								
Beef	180.51	191.79	176.53	175.19	142.94	140.95	138.27	154.71
Pork	98.21	100.01	99.09	95.67	76.80	75.58	74.15	83.61
Veal	52.04	56.31	49.07	51.66	41.57	41.12	40.32	44.59
Lamb, mutton, goat	1.89	2.76	2.11	.87	.95	1.26	1.08	.29
Variety meat, game, substitutes	1.77	2.55	1.90	.97	1.24	.87	1.46	1.27
Lunch meat	4.43	5.64	3.48	4.45	2.87	2.69	2.28	4.27
	22.17	24.51	20.89	21.57	19.51	19.42	18.99	20.68
Poultry, fish, shellfish								
Poultry	72.30	86.26	69.08	63.81	86.17	99.32	81.81	78.23
Fish, shellfish	52.58	62.21	50.50	46.57	64.13	72.73	61.03	59.45
	19.72	24.05	18.58	17.24	22.04	26.60	20.78	18.78
Eggs (fresh equivalent)	34.93	35.64	33.99	35.36	26.35	26.76	25.60	27.31
Sugars, sweets								
Sugars	49.58	42.92	47.46	57.68	40.51	37.13	38.04	49.65
Syrups, molasses, honey	28.67	25.03	25.31	35.53	22.78	21.13	19.26	31.81
Jellies, jams, preserves	5.04	4.64	4.82	5.64	4.07	4.24	3.98	4.02
Candies, nonfruit toppings	5.40	4.52	5.55	5.99	3.61	3.03	3.74	4.08
Miscellaneous sweets	6.50	5.47	7.21	6.60	6.19	5.72	6.67	5.82
	3.97	3.26	4.56	3.92	3.87	3.01	4.39	3.91

See notes at end of table.

--Continued

Table 7--Urbanization: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Urbanization			All	Urbanization		
		Central city	Suburban	Nonmetro		Central city	Suburban	Nonmetro
	Quantity (pounds per 21-meal equivalent person)							
Food group:								
Potatoes, sweetpotatoes								
Fresh	72.72	66.24	68.38	83.13	65.20	57.00	62.85	80.19
Commercially canned	64.17	58.34	58.68	75.32	54.57	48.64	52.20	66.75
Commercially frozen	1.02	1.19	1.05	.85	.64	.69	.48	.87
Dehydrated, instant	2.86	2.61	3.39	2.48	2.91	2.36	2.62	4.18
Chips, sticks, salad	.49	.46	.56	.43	.58	.45	.68	.54
	4.17	3.64	4.70	4.05	6.50	4.86	6.88	7.84
Fresh vegetables								
Dark green	141.69	141.30	139.97	143.93	120.14	111.56	126.89	117.59
Deep yellow	12.11	16.85	11.04	9.21	15.73	17.13	17.51	10.45
Tomatoes	11.52	10.95	12.59	10.83	10.65	10.24	11.46	9.57
Light green	22.23	20.58	21.68	24.27	16.12	13.03	16.75	18.79
Other vegetables	49.71	48.88	47.05	53.38	38.91	38.72	38.71	39.56
	46.11	44.04	47.61	46.23	38.72	32.44	42.46	39.23
Fresh fruits								
Citrus	150.23	161.25	155.33	135.04	146.61	141.57	159.98	126.49
Other vitamin C rich	38.74	44.45	39.80	32.64	31.87	29.68	35.96	26.52
Other fruits	14.63	14.10	16.61	12.88	15.37	12.47	19.19	11.45
	96.86	102.70	98.93	89.51	99.37	99.42	104.83	88.51
Canned vegetables and fruits								
Vegetables	61.39	65.15	60.21	59.46	48.86	45.74	46.98	56.54
Fruits	47.59	52.78	45.78	45.11	38.76	35.94	37.43	44.94
	13.80	12.37	14.43	14.34	10.11	9.80	9.56	11.60
Frozen vegetables and fruits								
Vegetables	10.56	12.35	12.07	7.35	12.46	12.32	13.82	9.94
Fruits	10.13	11.98	11.65	6.85	12.13	12.09	13.45	9.55
	.44	.37	.42	.51	.33	.23	.36	.38
Vegetable and fruit juices (juice equivalent)								
Vegetable juice	95.50	105.62	98.44	83.49	111.86	116.60	115.14	99.39
Canned fruit juice	8.70	7.88	8.85	9.25	6.09	4.92	6.58	6.61
Frozen fruit juice	25.47	29.37	22.75	25.12	20.72	21.17	21.61	18.38
Fresh fruit juice	45.85	44.70	50.30	41.90	49.26	54.25	46.61	48.22
	15.48	23.67	16.54	7.22	35.79	36.26	40.34	26.19

See notes at end of table.

--Continued

Table 7--Urbanization: Average annual household food use (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Urbanization			All	Urbanization		
		Central city	Suburban	Nonmetro		Central city	Suburban	Nonmetro
Food group:	Quantity (pounds per 21-meal equivalent person)							
Dried vegetables and fruits								
Vegetables	6.25	7.17	4.59	7.29	5.18	5.83	4.42	5.87
Fruits	4.90	5.78	3.17	6.06	3.79	4.55	2.84	4.71
	1.35	1.39	1.41	1.23	1.39	1.29	1.58	1.16
Beverages								
Coffee	198.30	203.42	215.47	174.82	266.86	255.13	291.03	233.81
Tea	7.29	6.62	7.75	7.36	7.93	7.30	8.33	7.92
Cocoa, baking chocolate	2.24	2.10	2.49	2.09	2.01	1.45	1.77	3.20
Soft drinks	1.19	1.02	1.37	1.13	.79	.74	.76	.93
Ades, punches, nectars	114.19	114.15	121.35	106.28	174.07	160.06	187.11	165.95
Alcoholic beverages	20.27	22.15	22.23	16.40	24.92	27.33	28.15	15.48
	53.12	57.39	60.28	41.48	57.14	58.27	64.92	40.34
Soups, sauces, gravies								
Ready-to-serve	17.05	17.46	17.35	16.36	13.98	13.29	14.84	13.17
Condensed, frozed, dried	3.75	3.99	3.70	3.61	4.92	4.84	5.63	3.60
	13.30	13.47	13.65	12.75	9.07	8.45	9.20	9.57
Nuts, condiments								
Nuts, peanut butter 3/	19.82	17.91	20.91	20.27	18.50	16.42	19.48	19.18
Catsup, chili sauce, etc.	7.60	6.75	8.31	7.54	7.88	7.33	8.41	7.53
Pickles, relishes	6.56	6.45	6.86	6.34	7.20	6.16	7.52	7.88
	5.66	4.71	5.74	6.39	3.42	2.93	3.55	3.77
Mixtures, dinners								
Canned, frozen, dried	14.42	14.12	15.51	13.47	24.30	24.65	25.74	21.01
Baby or junior, jarred	12.92	12.52	13.91	12.15	23.08	23.27	24.64	19.74
	1.51	1.60	1.60	1.32	1.22	1.39	1.10	1.27

Note: Numbers may not add due to rounding.
1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Nuts in shelled weight equivalent.

Table 8--Household size: Average annual money value of food used at home (per 21-meal equivalent person)

Item	Year											
	1977/78						1987/88					
	All	Household size					All	Household size				
		One	Two	Three	Four	Five or more		One	Two	Three	Four	Five or more
Household characteristics:												
Households (sample)	14,930	2,761	4,602	2,626	2,492	2,449	4,495	929	1,417	868	786	495
Households (thousands)	68,388	12,673	20,920	11,963	11,504	11,328	88,942	21,183	28,033	16,501	14,026	9,199
Income before taxes (dollars) 1/	17,981	15,056	21,559	19,853	17,446	13,844	20,376	17,566	24,735	21,769	19,440	12,856
Food expenditures: 2/												
Total food (dollars)	2,093	3,010	2,475	2,200	1,962	1,699	2,059	2,845	2,486	2,113	1,841	1,472
At home food (dollars)	1,534	1,981	1,769	1,614	1,448	1,311	1,348	1,685	1,543	1,379	1,256	1,075
Away from home food (dollars)	559	1,030	707	586	513	388	711	1,161	944	734	585	397
Age of household head (years)	48.1	56.0	53.4	44.0	39.6	42.1	47.6	53.9	50.9	43.5	40.6	41.1
Household size (21-meal equivalents)	2.62	.88	1.82	2.63	3.50	5.12	2.22	.83	1.69	2.49	3.32	4.85
Household size (including boarders)	2.96	1.00	2.00	3.00	4.00	5.83	2.64	1.00	2.00	3.00	4.00	5.67
Children under 18 (number)	.95	NA	.06	.75	1.67	3.11	.73	NA	.08	.74	1.64	2.97
Adults over 64 (number)	.30	.44	.53	.18	.05	.07	.31	.40	.50	.18	.09	.10
	1988 dollars											
Food group:												
Dairy products (fresh equivalent)	164.35	196.35	169.25	166.95	160.98	155.92	159.72	186.03	162.95	163.92	155.49	146.45
Fresh fluid milk	81.53	86.00	72.80	81.50	82.15	85.99	72.89	81.14	68.97	72.52	73.83	73.14
Processed milk	9.64	9.48	8.70	10.78	10.03	9.40	11.90	12.10	6.68	13.63	12.19	15.49
Cream, cream substitutes, dips	5.63	8.64	7.94	5.45	4.93	4.11	5.87	8.00	7.28	6.26	4.86	4.23
Frozen desserts with milk	19.30	20.49	20.60	18.71	19.67	18.28	20.78	25.17	23.76	21.40	20.10	16.03
Cheese	48.25	71.74	59.22	50.50	44.20	38.14	48.28	59.61	56.26	50.11	44.51	37.56
Fats and oils												
Table fat	42.56	51.34	49.44	45.79	40.47	36.06	34.58	39.14	40.81	34.76	32.32	28.37
Shortening	19.26	24.90	23.66	20.46	18.12	15.45	14.99	17.60	17.66	14.99	14.21	11.93
Salad, cooking oils	4.88	4.80	4.97	5.24	4.49	4.93	2.23	1.25	2.20	2.23	2.60	2.26
Salad dressings	7.15	9.17	8.70	7.91	6.70	5.66	5.40	5.56	6.96	5.14	4.68	4.67
	11.25	12.47	12.11	12.17	11.16	10.03	11.96	14.74	13.98	12.40	10.82	9.50

See notes at end of table.

--Continued

Table 8--Household size: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year											
	1977/78						1987/88					
	All	Household size					All	Household size				
		One	Two	Three	Four	Five or more		One	Two	Three	Four	Five or more
Food group:	1988 dollars											
Flour and cereals	68.52	67.10	64.49	67.22	68.21	72.35	70.35	70.53	67.87	70.60	70.15	72.90
Flour, not in mixes	5.84	6.13	6.51	5.70	5.15	5.90	2.35	1.55	2.79	2.11	1.92	2.86
Flour mixes	8.31	6.57	8.50	9.19	8.46	7.94	5.26	4.36	6.09	5.23	5.64	4.39
Breakfast cereals	34.86	34.53	30.05	32.26	35.03	39.36	44.36	46.85	39.81	44.61	44.22	48.15
Other cereals	19.51	19.87	19.43	20.07	19.57	19.15	18.37	17.77	19.19	18.65	18.37	17.50
Bakery products	121.42	147.25	128.62	124.60	121.33	110.09	113.51	132.75	127.18	112.94	111.97	93.46
Bread	42.37	54.52	43.95	42.33	39.72	40.86	34.98	41.92	40.02	35.12	31.40	30.48
Other baked goods, doughs	79.06	92.73	84.67	82.28	81.62	69.23	78.53	90.83	87.16	77.82	80.57	62.98
Meat	392.73	444.45	446.49	425.35	375.45	341.85	267.96	273.58	292.39	288.54	259.54	229.56
Beef	219.58	248.97	257.92	239.32	209.52	185.39	141.61	144.44	157.96	154.55	140.14	112.71
Pork	103.90	115.66	115.75	112.71	98.05	93.16	77.81	71.79	84.96	83.15	73.25	72.40
Veal	5.74	7.12	8.00	5.80	5.20	4.34	2.94	4.90	3.35	3.58	3.00	1.08
Lamb, mutton, goat	5.01	10.74	7.84	4.21	4.43	2.90	3.23	7.09	3.24	3.71	2.16	2.40
Variety meat, game, substitutes	10.94	15.00	12.58	14.41	10.02	7.84	4.12	5.19	3.98	3.79	3.47	4.84
Lunch meat	47.45	46.96	44.40	48.90	48.23	48.22	38.24	40.17	38.90	39.75	37.53	36.13
Poultry, fish, shellfish	121.89	175.32	150.50	129.13	107.55	98.91	131.57	188.41	159.92	134.30	120.62	87.87
Poultry	60.45	84.92	70.51	63.85	54.48	51.47	71.41	89.49	84.40	73.02	67.38	53.16
Fish, shellfish	61.44	90.40	79.99	65.28	53.07	47.44	60.16	98.91	75.52	61.28	53.23	34.71
Eggs (fresh equivalent)	19.23	27.34	21.75	19.52	17.54	17.05	14.48	17.82	15.80	15.00	13.19	12.62
Sugars, sweets	50.71	56.09	54.62	51.58	50.78	46.60	39.63	41.44	42.16	36.98	40.11	38.17
Sugars	12.74	13.52	13.65	13.46	11.97	12.15	8.75	8.37	8.98	8.19	8.95	8.97
Syrups, molasses, honey	6.32	7.12	7.01	6.41	6.31	5.67	4.88	6.20	5.21	3.90	5.14	4.63
Jellies, jams, preserves	7.63	9.17	8.35	7.62	6.94	7.34	5.23	4.60	6.31	5.08	4.99	4.71
Candies, nonfruit toppings	17.48	19.38	19.01	17.63	18.62	15.25	15.01	16.74	15.45	14.87	14.82	14.18
Miscellaneous sweets	6.54	6.90	6.61	6.47	6.94	6.19	5.76	5.52	6.20	4.93	6.21	5.68

See notes at end of table.

--Continued

Table 8--Household size: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year											
	1977/78						1987/88					
	All	Household size					All	Household size				
		One	Two	Three	Four	Five or more		One	Two	Three	Four	Five or more
Food group:	1988 dollars											
Potatoes, sweetpotatoes												
Fresh	30.41	32.64	31.58	31.82	30.70	28.23	27.74	30.95	28.87	26.95	28.30	25.40
Commercially canned	17.46	20.39	20.38	18.01	16.21	15.54	12.60	16.78	14.71	12.21	11.25	10.49
Commercially frozen	.71	.74	.70	.90	.66	.65	.42	.47	.35	.71	.36	.26
Dehydrated, instant	2.16	1.57	1.76	2.15	2.63	2.22	2.55	1.74	2.05	2.12	3.33	2.99
Chips, sticks, salad	.70	.91	.67	.91	.65	.60	.95	.78	.88	.77	.95	1.24
Fresh vegetables	9.38	9.03	8.07	9.85	10.55	9.23	11.22	11.18	10.87	11.15	12.41	10.43
Dark green	102.08	153.02	142.68	106.70	88.55	72.57	73.89	100.24	102.43	73.60	58.75	49.14
Deep yellow	11.19	17.69	15.61	11.41	9.32	8.24	10.48	15.20	13.88	10.44	9.37	6.20
Tomatoes	6.44	11.20	8.84	6.22	5.64	4.61	4.88	7.34	6.23	4.56	4.47	3.20
Light green	18.19	27.38	25.73	19.29	15.33	12.87	12.79	18.81	17.14	12.59	10.28	8.57
Other vegetables	32.31	48.88	44.65	33.86	27.94	23.23	22.10	29.19	30.34	22.72	16.48	15.81
	33.95	47.88	47.84	35.91	30.31	23.62	23.64	29.70	34.84	23.30	18.15	15.38
Fresh fruits												
Citrus	94.52	142.55	122.65	94.87	83.51	74.32	66.88	98.76	83.71	63.25	57.57	49.42
Other vitamin C rich	18.84	29.84	24.89	18.33	16.59	14.60	13.14	17.48	15.40	13.17	11.73	10.44
Other fruits	8.39	14.51	12.66	7.81	7.38	5.42	6.67	7.58	10.64	7.02	5.03	3.47
	67.29	98.20	85.10	68.73	59.53	54.29	47.07	73.70	57.67	43.05	40.80	35.50
Canned vegetables and fruits												
Vegetables	43.61	55.24	47.87	47.05	42.85	37.23	30.89	38.24	31.50	34.06	28.83	26.58
Fruits	31.25	39.31	33.13	33.72	30.49	27.65	22.60	28.30	23.21	24.03	21.75	19.28
	12.36	15.93	14.74	13.33	12.36	9.58	8.29	9.95	8.29	10.03	7.08	7.31
Frozen vegetables and fruits												
Vegetables	11.97	19.20	15.19	13.03	11.34	8.33	13.84	21.40	15.33	15.36	12.08	9.69
Fruits	11.27	18.21	14.08	12.40	10.72	7.85	13.32	19.50	14.74	14.94	11.75	9.50
	.70	.99	1.11	.63	.62	.48	.52	1.90	.60	.42	.32	.19
Vegetable and fruit juices (juice equivalent)	41.61	72.21	48.74	43.35	38.74	32.13	41.97	63.34	45.82	41.49	39.62	32.34
Vegetable juice	3.82	6.64	5.64	4.22	3.05	2.40	2.93	5.50	3.98	3.11	1.97	1.63
Canned fruit juice	13.72	26.54	16.19	14.72	12.60	9.89	10.06	15.59	9.40	9.54	9.44	9.70
Frozen fruit juice	16.48	22.10	17.94	16.77	16.48	14.29	14.32	17.65	15.65	14.92	13.46	11.94
Fresh fruit juice	7.59	16.93	8.97	7.65	6.60	5.55	14.67	24.59	16.79	13.92	14.75	9.07

See notes at end of table.

--Continued

Table 8--Household size: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year											
	1977/78						1987/88					
	All	Household size					All	Household size				
		One	Two	Three	Four	Five or more		One	Two	Three	Four	Five or more
Food group:	1988 dollars											
Dried vegetables and fruits	6.79	9.59	8.26	6.77	6.00	5.84	5.05	6.70	5.88	4.32	3.98	5.32
Vegetables	3.86	4.35	4.11	3.98	3.23	3.97	2.71	2.60	2.92	2.36	2.23	3.36
Fruits	2.93	5.24	4.16	2.79	2.76	1.87	2.35	4.10	2.96	1.97	1.76	1.96
Beverages	142.07	225.33	184.11	154.88	126.68	102.27	150.69	221.67	196.07	161.99	121.56	94.33
Coffee	31.28	50.46	44.82	33.37	25.79	21.39	25.41	44.13	35.90	24.59	18.36	14.96
Tea	8.50	10.78	10.47	9.13	8.51	6.41	6.85	9.45	7.63	6.69	6.65	5.35
Cocoa, baking chocolate	2.26	1.32	1.42	2.32	2.65	2.70	1.50	1.25	1.20	1.34	2.03	1.53
Soft drinks	33.05	41.49	33.20	37.62	33.58	28.48	51.94	65.44	60.11	57.65	47.30	37.48
Ades, punches, nectars	11.55	10.61	8.74	12.04	12.82	12.44	16.43	15.86	15.79	16.78	17.35	16.07
Alcoholic beverages	55.43	110.68	85.46	60.40	43.33	30.86	48.56	85.54	75.45	54.94	29.87	18.95
Soups, sauces, gravies	15.14	24.80	16.98	15.39	14.26	12.56	11.01	21.91	12.36	11.02	8.54	7.81
Ready-to-serve	3.48	7.23	4.56	3.39	3.29	2.22	4.47	11.73	4.96	4.56	2.95	2.60
Condensed, frozed, dried	11.67	17.57	12.42	12.00	10.97	10.35	6.53	10.18	7.40	6.46	5.59	5.21
Nuts, condiments	30.11	33.53	33.70	30.70	29.92	26.93	29.93	35.40	36.46	30.38	28.31	22.10
Nuts, peanut butter 4/	16.42	21.49	19.25	16.21	16.06	13.97	18.84	25.89	23.94	18.94	17.08	12.39
Catsup, chili sauce, etc.	7.08	5.30	6.62	7.50	7.49	7.21	6.94	5.63	7.08	7.08	7.39	6.72
Pickles, relishes	6.61	6.74	7.83	6.98	6.37	5.74	4.14	3.89	5.43	4.36	3.83	2.99
Mixtures, dinners	27.34	40.82	27.12	29.85	27.84	23.20	64.10	96.20	74.99	59.22	64.77	43.64
Canned, frozen, dried	25.43	40.73	26.84	26.47	25.06	21.26	62.69	96.20	74.87	56.92	62.51	41.98
Baby or junior, jarred	1.91	.09	.28	3.38	2.78	1.93	1.42	3/	.12	2.31	2.26	1.66

Note: Numbers may not add due to rounding.
NA = Not applicable.
1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Less than 0.05.
4/ Nuts in shelled weight equivalent.

Table 9--Household type: Average annual money value of food used at home (per 21-meal equivalent person)

Item	Year							
	1977/78				1987/88			
	All	Household Type			All	Household Type		
		Female head with children	Male and female head with children	Other		Female head with children	Male and female head with children	Other
Household characteristics:								
Households (sample)	14,930	1,317	6,197	7,416	4,495	434	1,718	2,343
Households (thousands)	68,388	6,084	28,463	33,841	88,942	9,647	30,268	49,027
Income before taxes (dollars) 1/	17,981	9,834	18,354	19,180	20,376	10,772	20,750	22,072
Food expenditures: 2/								
Total food (dollars)	2,093	1,771	1,914	2,574	2,059	1,616	1,833	2,571
At home food (dollars)	1,534	1,434	1,426	1,794	1,348	1,151	1,256	1,562
Away from home food (dollars)	559	337	488	780	711	464	577	1,009
Age of household head (years)	48.1	42.0	41.6	54.6	47.6	42.1	41.8	52.3
Household size (21-meal equivalents)	2.62	2.93	3.82	1.55	2.22	2.66	3.42	1.39
Household size (including boarders)	2.96	3.42	4.33	1.72	2.64	3.22	4.05	1.66
Children under 18 (number)	.95	1.72	1.84	.05	.73	1.47	1.58	.06
Adults over 64 (number)	.30	.11	.06	.52	.31	.12	.09	.48
	1988 dollars							
Food group:								
Dairy products (fresh equivalent)								
Fresh fluid milk	164.35	150.58	162.33	173.23	159.72	144.32	158.79	166.95
Processed milk	81.53	82.89	84.01	75.92	72.89	69.62	74.43	71.78
Cream, cream substitutes, dips	9.64	10.98	10.02	8.40	11.90	17.23	13.01	8.21
Frozen desserts with milk	5.63	3.04	4.98	7.84	5.87	3.89	5.38	7.37
Cheese	19.30	16.01	19.36	20.30	20.78	15.06	20.43	23.48
	48.25	37.65	43.96	60.77	48.28	38.51	45.55	56.11
Fats and oils								
Table fat	42.56	40.86	39.60	49.27	34.58	30.74	32.24	39.59
Shortening	19.26	16.90	17.65	23.42	14.99	12.57	13.93	17.53
Salad, cooking oils	4.88	6.67	4.51	5.05	2.23	2.76	2.32	1.89
Salad dressings	7.15	7.13	6.37	8.79	5.40	5.46	4.78	6.32
	11.25	10.16	11.07	12.02	11.96	9.96	11.22	13.85

See notes at end of table.

--Continued

Table 9--Household type: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Household Type			All	Household Type		
		Female head with children	Male and female head with children	Other		Female head with children	Male and female head with children	Other
	1988 dollars							
Food group:								
Flour and cereals								
Flour, not in mixes	68.52	81.41	68.15	64.89	70.35	69.68	72.05	68.01
Flour mixes	5.84	6.02	5.54	6.39	2.35	2.78	2.25	2.34
Breakfast cereals	8.31	8.02	8.56	7.89	5.26	5.34	5.21	5.32
Other cereals	34.86	41.08	35.67	31.05	44.36	42.22	46.63	41.72
	19.51	26.29	18.38	19.56	18.37	19.35	17.96	18.63
Bakery products								
Bread	121.42	107.35	119.02	131.21	113.51	96.98	110.00	125.07
Other baked goods, doughs	42.37	42.38	40.55	46.13	34.98	29.12	32.75	40.57
	79.06	64.96	78.47	85.09	78.53	67.86	77.24	84.50
Meat								
Beef	392.73	388.50	369.80	441.78	267.96	249.55	259.79	287.32
Pork	219.68	198.39	207.46	252.34	141.61	123.80	137.43	154.70
Veal	103.90	116.17	96.40	115.30	77.81	78.02	75.09	81.85
Lamb, mutton, goat	5.74	3.81	5.05	7.84	2.94	2.26	2.67	3.61
Variety meat, game, substitutes	5.01	2.78	3.88	8.11	3.23	3.37	2.69	4.01
Lunch meat	10.94	11.35	9.65	13.48	4.12	4.08	4.18	4.06
	47.45	55.99	47.36	44.72	38.24	38.02	37.74	39.09
Poultry, fish, shellfish								
Poultry	121.89	123.85	105.90	154.43	131.57	103.01	116.51	165.24
Fish, shellfish	60.45	67.46	53.57	72.36	71.41	64.13	64.66	84.42
	61.44	56.39	52.33	82.07	60.16	38.88	51.85	80.82
Eggs (fresh equivalent)	19.23	19.89	17.35	22.92	14.48	14.33	13.19	16.49
Sugars, sweets								
Sugars	50.71	44.89	50.05	54.07	39.63	36.91	39.75	40.48
Syrups, molasses, honey	12.74	11.86	12.46	13.63	8.75	9.87	8.49	8.72
Jellies, jams, preserves	6.32	6.00	6.05	6.97	4.88	4.33	4.60	5.51
Candies, nonfruit toppings	7.63	7.53	7.20	8.55	5.23	3.60	5.20	5.88
Miscellaneous sweets	17.48	13.87	17.62	18.42	15.01	13.36	15.55	14.82
	6.54	5.62	6.71	6.49	5.76	5.75	5.91	5.54

See notes at end of table.

--Continued

Table 9--Household type: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Household Type			All	Household Type		
		Female head with children	Male and female head with children	Other		Female head with children	Male and female head with children	Other
	1988 dollars							
Food group:								
Potatoes, sweetpotatoes								
Fresh	30.41	28.84	30.07	31.63	27.74	26.73	27.42	28.60
Commercially canned	17.46	17.68	16.11	20.19	12.60	12.15	11.30	14.76
Commercially frozen	.71	.84	.69	.71	.42	.53	.39	.41
Dehydrated, instant	2.16	1.81	2.39	1.80	2.55	2.11	3.04	1.97
Chips, sticks, salad	.70	.56	.70	.74	.95	.98	.97	.90
Fresh vegetables	9.38	7.94	10.19	8.19	11.22	10.97	11.72	10.55
Dark green	102.08	84.40	85.92	141.65	73.89	51.26	62.48	99.76
Deep yellow	11.19	12.87	8.65	15.92	10.48	9.56	8.50	13.83
Tomatoes	6.44	4.45	5.50	9.06	4.88	2.95	4.44	6.28
Light green	18.19	14.60	15.25	25.51	12.79	8.19	11.01	17.23
Other vegetables	32.31	27.68	27.22	44.45	22.10	15.93	18.66	29.65
	33.95	24.79	29.31	46.71	23.64	14.63	19.87	32.77
Fresh fruits								
Citrus	94.52	82.46	82.27	124.06	66.88	43.55	58.50	88.41
Other vitamin C rich	18.84	17.83	15.99	25.10	13.14	7.91	12.07	16.73
Other fruits	8.39	4.90	6.86	12.75	6.67	3.24	5.65	9.52
	67.29	59.74	59.42	86.20	47.07	32.41	40.78	62.15
Canned vegetables and fruits								
Vegetables	43.61	44.83	40.91	48.78	30.89	31.52	29.59	32.64
Fruits	31.25	36.46	28.92	34.30	22.60	24.76	21.18	23.94
	12.36	8.37	11.99	14.48	8.29	6.76	8.40	8.70
Frozen vegetables and fruits								
Vegetables	11.97	10.78	10.54	15.33	13.84	10.12	12.66	17.02
Fruits	11.27	10.36	9.95	14.30	13.32	10.10	12.28	16.10
	.70	.43	.59	1.02	.52	3/	.38	.92
Vegetable and fruit juices (juice equivalent)	41.61	38.42	36.86	52.57	41.97	38.44	38.29	48.90
Vegetable juice	3.82	2.52	3.13	5.69	2.93	1.74	2.31	4.32
Canned fruit juice	13.72	13.36	11.62	18.22	10.06	11.59	9.40	10.47
Frozen fruit juice	16.48	11.88	16.27	18.47	14.32	9.42	14.25	16.28
Fresh fruit juice	7.59	10.65	5.83	10.19	14.67	15.69	12.33	17.83

See notes at end of table.

--Continued

Table 9--Household type: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Household Type			All	Household Type		
		Female head with children	Male and female head with children	Other		Female head with children	Male and female head with children	Other
Food group:	1988 dollars							
Dried vegetables and fruits	6.79	8.16	5.73	8.51	5.05	4.68	4.64	5.83
Vegetables	3.86	6.23	3.28	4.25	2.71	3.92	2.41	2.71
Fruits	2.93	1.93	2.45	4.25	2.35	.76	2.22	3.13
Beverages	142.07	100.30	124.27	193.27	150.69	103.93	126.66	204.86
Coffee	31.28	22.71	25.87	45.42	25.41	16.49	20.22	36.66
Tea	8.50	6.39	7.92	10.43	6.85	4.36	6.68	8.05
Cocoa, baking chocolate	2.26	2.10	2.67	1.48	1.50	2.16	1.62	1.08
Soft drinks	33.05	30.96	32.68	34.51	51.94	48.33	47.83	59.54
Ades, punches, nectars	11.55	15.45	12.09	9.10	16.43	17.01	16.92	15.48
Alcoholic beverages	55.43	22.70	43.03	92.34	48.56	15.57	33.39	84.06
Soups, sauces, gravies	15.14	15.01	13.75	18.07	11.01	8.25	9.12	14.92
Ready-to-serve	3.48	3.32	2.83	4.88	4.47	2.82	3.47	6.62
Condensed, frozed, dried	11.67	11.70	10.93	13.20	6.53	5.42	5.64	8.30
Nuts, Condiments	30.11	24.00	29.58	33.31	29.93	25.64	27.47	35.29
Nuts, peanut butter 4/	16.42	12.07	15.60	19.62	18.84	14.73	16.70	23.66
Catsup, chili sauce, etc.	7.08	7.40	7.44	6.24	6.94	7.83	6.82	6.79
Pickles, relishes	6.61	4.54	6.54	7.46	4.14	3.08	3.95	4.83
Mixtures, dinners	27.34	28.00	26.57	28.72	64.10	61.56	56.52	76.59
Canned, frozen, dried	25.43	25.82	23.87	28.53	62.69	59.74	54.33	76.50
Baby or junior, jarred	1.91	2.18	2.70	.19	1.42	1.82	2.19	.09

Note: Numbers may not add due to rounding.
1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Less than 0.05.
4/ Nuts in shelled weight equivalent.

Table 10--Income quintile: Average annual money value of food used at home (per 21-meal equivalent person)

Item	Year												
	1977/78							1987/88					
	All	Income quintile					Not reported	All	Income quintile				Not reported
		First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)			First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)	
Household characteristics:														
Households (sample)	14,930	2,203	2,189	2,233	2,189	2,203	3,913	4,495	732	732	729	739	732	831
Households (thousands)	68,388	9,793	9,953	10,253	10,191	10,626	17,571	88,942	13,107	13,056	13,452	15,335	17,875	16,117
Income before taxes (dollars) 1/	17,981	4,803	9,619	14,701	21,067	38,341	NA	20,376	4,251	9,412	14,972	22,313	42,615	NA
Food expenditures: 2/														
Total food (dollars)	2,093	1,500	1,747	1,969	2,323	3,090	2,071	2,059	1,397	1,555	1,939	2,316	3,122	1,985
At home food (dollars)	1,534	1,296	1,394	1,473	1,651	1,921	1,527	1,348	1,102	1,159	1,314	1,462	1,725	1,311
Away from home food (dollars)	559	205	354	496	672	1,169	544	711	295	396	625	854	1,396	674
Age of household head (years)	48.1	52.2	50.3	44.4	44.3	45.8	50.2	47.6	49.7	48.5	46.4	44.6	45.4	51.5
Household size (21-meal equivalents)	2.62	2.60	2.72	2.93	2.62	2.18	2.65	2.22	2.39	2.49	2.31	2.13	1.85	2.27
Household size (including boarders)	2.96	2.85	2.99	3.30	3.00	2.61	2.99	2.64	2.71	2.87	2.71	2.60	2.36	2.69
Children under 18 (number)	.95	1.20	1.08	1.22	.90	.52	.86	.73	1.09	1.00	.80	.63	.37	.65
Adults over 64 (number)	.30	.45	.46	.22	.15	.13	.35	.31	.39	.39	.32	.20	.16	.44
	1988 dollars													
Food group:														
Dairy products (fresh equivalent)	164.35	136.81	151.07	163.42	177.70	200.67	162.03	159.72	140.04	145.51	158.52	175.84	186.88	151.21
Fresh fluid milk	81.53	74.64	79.91	82.20	87.02	87.31	79.80	72.89	68.59	70.36	72.57	75.80	77.38	72.39
Processed milk	9.64	12.31	10.06	10.27	8.32	10.21	8.01	11.90	21.16	12.63	8.06	13.06	8.47	8.66
Cream, cream substitutes, dips	5.63	2.81	4.46	5.47	6.71	9.00	5.65	5.87	3.34	4.89	6.02	7.18	8.93	4.84
Frozen desserts with milk	19.30	14.81	16.20	19.31	21.61	25.37	19.21	20.78	12.85	17.21	22.69	25.53	27.67	18.65
Cheese	48.25	32.24	40.43	46.18	54.04	68.78	49.36	48.28	34.10	40.41	49.17	54.27	64.43	46.66
Fats and oils														
Table fat	42.56	38.20	40.26	40.82	44.05	49.97	42.86	34.58	30.50	29.12	35.18	36.04	42.23	34.21
Shortening	19.26	15.85	17.65	18.15	20.57	24.31	19.54	14.99	12.01	11.95	16.05	16.05	19.27	14.54
Salad, cooking oils	4.88	7.00	5.55	4.22	3.79	2.66	5.50	2.23	3.48	2.48	2.22	1.72	1.33	2.22
Salad dressings	7.15	6.86	7.06	7.02	6.95	8.12	7.09	5.40	5.42	4.41	4.94	5.52	5.78	6.19
	11.25	8.49	10.01	11.43	12.74	14.88	10.73	11.96	9.59	10.28	11.97	12.74	15.84	11.26

See notes at end of table.

--Continued

Table 10--Income quintile: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year													
	1977/78							1987/88						
	All	Income quintile					Not reported	All	Income quintile					Not reported
		First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)			First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)	
Food group:	1988 dollars													
Flour and cereals	68.52	74.20	71.80	66.65	67.73	63.63	67.59	70.35	68.69	70.08	69.34	72.23	76.31	65.77
Flour, not in mixes	5.84	8.34	6.44	4.99	4.61	3.74	6.41	2.35	3.97	2.24	1.89	1.73	1.75	2.54
Flour mixes	8.31	6.47	7.98	8.73	9.83	9.96	7.56	5.26	4.86	5.77	5.02	5.14	5.98	4.82
Breakfast cereals	34.86	34.97	37.86	35.74	35.18	32.22	33.60	44.36	42.65	45.40	46.17	45.47	45.89	40.98
Other cereals	19.51	24.42	19.52	17.19	18.11	17.70	20.02	18.37	17.22	16.66	16.25	19.89	22.68	17.43
Bakery products	121.42	95.53	113.04	118.30	137.65	153.42	117.28	113.51	86.74	101.25	113.46	123.81	149.87	105.17
Bread	42.37	39.72	42.13	40.54	44.17	46.59	42.00	34.98	30.34	30.65	36.20	37.67	40.65	34.22
Other baked goods, doughs	79.06	55.81	70.91	77.76	93.48	106.82	75.28	78.53	56.40	70.60	77.26	86.13	109.22	70.96
Meat	392.73	334.23	350.52	381.41	425.71	478.84	394.88	267.96	243.88	244.90	261.18	283.51	298.22	273.53
Beef	219.68	168.58	187.04	217.00	246.09	289.31	218.62	141.61	121.05	125.98	134.78	153.25	167.33	145.21
Pork	103.90	102.15	98.63	96.20	108.57	113.03	105.68	77.81	73.53	72.55	77.78	78.63	81.61	81.99
Veal	5.74	3.13	4.18	4.30	7.16	9.54	6.31	2.94	1.70	1.89	2.37	4.84	3.35	3.36
Lamb, mutton, goat	5.01	2.76	3.62	4.24	5.62	8.70	5.36	3.23	2.56	.80	3.49	2.78	6.50	3.20
Variety meat, game, substitutes	10.94	11.92	9.85	9.73	9.71	11.45	12.27	4.12	4.12	5.24	2.69	4.45	2.98	5.11
Lunch meat	47.45	45.69	47.19	49.94	48.56	46.81	46.64	38.24	40.93	38.43	40.06	39.57	36.46	34.66
Poultry, fish, shellfish	121.89	107.98	110.15	111.18	121.22	164.91	122.24	131.57	102.28	101.64	123.78	143.05	190.75	126.02
Poultry	60.45	56.80	55.53	56.96	58.70	74.83	61.43	71.41	56.17	60.79	67.26	75.47	99.14	68.68
Fish, shellfish	61.44	51.19	54.62	54.22	62.52	90.08	60.81	60.16	46.11	40.85	56.52	67.57	91.61	57.34
Eggs (fresh equivalent)	19.23	20.28	19.67	18.01	18.37	19.66	19.47	14.48	15.43	14.19	14.50	14.33	13.96	14.51
Sugars, sweets	50.71	43.43	49.59	51.37	54.16	53.73	51.45	39.63	36.26	37.86	39.70	41.14	46.21	36.72
Sugars	12.74	13.49	13.52	12.61	12.83	10.69	12.94	8.75	10.76	9.97	7.92	7.77	7.09	9.03
Syrups, molasses, honey	6.32	5.64	6.53	6.16	6.46	6.66	6.42	4.88	4.52	4.88	4.80	4.97	5.23	4.84
Jellies, jams, preserves	7.63	7.45	8.22	7.07	7.26	8.01	7.76	5.23	4.60	5.53	4.82	5.29	6.36	4.76
Candies, nonfruit toppings	17.48	10.90	15.44	18.31	20.53	21.57	17.97	15.01	11.69	11.66	15.45	16.59	21.24	13.39
Miscellaneous sweets	6.54	5.95	5.88	7.23	7.08	6.80	6.36	5.76	4.68	5.82	6.71	6.52	6.28	4.69

See notes at end of table.

--Continued

Table 10--Income quintile: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year													
	1977/78							1987/88						
	All	Income quintile					Not reported	All	Income quintile					Not reported
		First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)			First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)	
Food group:	1988 dollars													
Potatoes, sweetpotatoes	30.41	28.12	29.28	31.37	31.97	31.02	30.48	27.74	26.58	25.67	28.75	29.51	29.65	26.38
Fresh	17.46	19.47	18.10	16.32	16.17	15.74	18.31	12.60	14.51	11.05	10.90	12.41	13.56	13.11
Commercially canned	.71	.90	.63	.77	.74	.72	.60	.42	.59	.45	.66	.30	.23	.31
Commercially frozen	2.16	1.12	1.87	2.72	2.70	2.39	2.11	2.55	1.86	2.51	2.95	2.83	2.82	2.34
Dehydrated, instant	.70	.70	.60	.78	.96	.75	.52	.95	.95	1.01	1.33	.91	.91	.63
Chips, sticks, salad	9.38	5.93	8.07	10.77	11.40	11.42	8.95	11.22	8.67	10.65	12.91	13.07	12.13	9.99
Fresh vegetables	102.08	84.77	93.22	94.30	104.46	131.19	105.87	73.89	52.47	57.47	70.95	77.67	101.93	80.54
Dark green	11.19	11.78	10.23	9.29	10.13	13.07	12.34	10.48	7.93	7.05	10.85	10.16	15.77	10.90
Deep yellow	6.44	4.63	5.94	5.71	6.72	8.60	6.95	4.88	3.42	4.08	4.85	4.96	7.16	4.74
Tomatoes	18.19	14.85	17.31	17.17	18.54	23.47	18.19	12.79	9.34	10.93	12.32	12.90	16.46	14.37
Light green	32.31	28.73	29.80	29.46	32.07	39.52	34.11	22.10	16.33	17.28	20.03	24.08	29.16	24.90
Other vegetables	33.95	24.78	29.94	32.68	36.70	46.53	34.29	23.64	15.45	18.13	22.90	25.57	33.38	25.64
Fresh fruits	94.52	74.08	83.75	89.35	101.72	124.04	96.50	66.88	44.63	51.78	62.01	69.14	97.81	73.42
Citrus	18.84	16.20	17.28	16.49	20.35	24.20	19.18	13.14	8.45	9.86	11.75	11.15	22.85	14.22
Other vitamin C rich	8.39	4.79	7.58	7.38	8.94	13.91	8.41	6.67	3.58	4.10	5.44	7.19	11.40	7.90
Other fruits	67.29	53.09	58.89	65.48	72.43	85.93	68.91	47.07	32.60	37.82	44.83	50.80	63.56	51.30
Canned vegetables and fruits	43.61	43.84	42.71	42.17	45.11	45.59	43.07	30.89	33.13	28.95	31.63	35.32	29.91	27.02
Vegetables	31.25	34.14	31.85	29.70	31.13	32.52	29.75	22.60	24.85	21.61	22.89	25.48	21.79	19.47
Fruits	12.36	9.70	10.86	12.47	13.99	13.08	13.32	8.29	8.28	7.34	8.73	9.84	8.12	7.55
Frozen vegetables and fruits	11.97	7.78	9.12	11.88	13.97	18.59	11.53	13.84	7.89	11.58	13.53	15.97	20.65	13.11
Vegetables	11.27	7.41	8.59	11.23	13.18	17.53	10.74	13.32	7.66	11.14	13.14	15.34	19.74	12.62
Fruits	.70	.37	.53	.65	.79	1.06	.79	.52	.23	.44	.39	.63	.91	.50
Vegetable and fruit juices (juice equivalent)	41.61	35.23	36.22	37.96	45.88	54.26	41.87	41.97	37.67	30.93	42.89	45.62	52.59	41.81
Vegetable juice	3.82	2.67	3.39	3.32	4.46	5.30	3.92	2.93	2.33	2.28	3.83	2.87	3.53	2.77
Canned fruit juice	13.72	14.01	12.59	12.04	13.81	16.02	14.12	10.06	13.91	8.87	9.64	8.98	11.24	8.07
Frozen fruit juice	16.48	9.75	12.88	16.12	20.50	23.47	16.71	14.32	9.11	9.89	16.06	17.61	17.88	15.07
Fresh fruit juice	7.59	8.80	7.36	6.48	7.12	9.47	7.11	14.67	12.32	9.90	13.36	16.16	19.95	15.91

See notes at end of table.

--Continued

Table 10--Income quintile: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year													
	1977/78							1987/88						
	All	Income quintile					Not reported	All	Income quintile					Not reported
		First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)			First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)	
Food group:	1988 dollars													
Dried vegetables and fruits	6.79	8.60	7.10	5.63	6.07	6.19	7.06	5.05	5.73	4.09	3.91	4.51	5.14	6.72
Vegetables	3.86	7.11	4.47	2.74	2.35	2.49	3.98	2.71	4.48	2.14	2.03	2.03	1.99	3.54
Fruits	2.93	1.49	2.63	2.89	3.72	3.70	3.08	2.35	1.25	1.95	1.88	2.48	3.16	3.17
Beverages	142.07	92.80	110.89	130.75	165.50	232.50	136.09	150.69	101.08	116.76	137.02	171.63	228.93	145.34
Coffee	31.28	25.44	29.23	28.37	32.14	40.06	32.66	25.41	18.52	21.17	24.69	26.53	35.81	25.27
Tea	8.50	6.46	7.24	8.58	10.15	10.59	8.30	6.85	6.48	6.35	6.75	7.58	7.02	6.87
Cocoa, baking chocolate	2.26	1.71	2.33	2.37	2.43	2.57	2.22	1.50	1.50	1.32	1.74	1.47	1.53	1.48
Soft drinks	33.05	26.60	28.92	32.37	38.54	44.11	30.76	51.94	40.94	43.36	53.22	58.91	68.31	46.81
Ades, punches, nectars	11.55	11.77	11.63	12.65	11.97	11.01	10.71	16.43	16.25	14.31	15.00	19.85	17.43	15.73
Alcoholic beverages	55.43	20.82	31.54	46.41	70.26	124.14	51.44	48.56	17.38	30.24	35.61	57.30	98.84	49.19
Soups, sauces, gravies	15.14	13.86	14.40	14.48	16.04	17.48	15.03	11.01	8.18	11.20	12.16	10.66	13.98	9.88
Ready-to-serve	3.48	2.94	3.07	3.20	3.68	4.46	3.57	4.47	2.54	4.51	4.52	3.74	7.04	4.39
Condensed, frozed, dried	11.67	10.92	11.34	11.28	12.36	13.02	11.46	6.53	5.64	6.69	7.64	6.92	6.94	5.49
Nuts, Condiments	30.11	21.12	27.07	30.00	35.56	39.72	28.99	29.93	20.82	26.81	30.18	30.88	42.65	27.92
Nuts, peanut butter 3/	16.42	10.45	14.81	16.02	19.17	23.38	15.86	18.84	12.42	15.29	18.39	20.00	29.24	17.44
Catsup, chili sauce, etc.	7.08	6.47	6.91	7.27	7.78	7.75	6.66	6.94	6.21	7.10	7.43	6.84	7.63	6.49
Pickles, relishes	6.61	4.19	5.35	6.71	8.61	8.59	6.46	4.14	2.20	4.41	4.36	4.04	5.78	3.99
Mixtures, dinners	27.34	21.37	24.46	28.12	32.77	34.55	25.09	64.10	40.35	49.25	64.89	81.18	97.32	51.59
Canned, frozen, dried	25.43	18.97	22.58	25.51	30.82	33.33	23.55	62.69	38.53	48.45	63.56	78.67	96.43	50.41
Baby or junior, jarred	1.91	2.40	1.88	2.61	1.95	1.22	1.54	1.42	1.82	.80	1.33	2.51	.90	1.18

Note: Numbers may not add due to rounding.
NA = Not applicable.
1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Nuts in shelled weight equivalent.

Table 11--Race: Average annual money value of food used at home (per 21-meal equivalent person)

Item	Year							
	1977/78				1987/88			
	All	Race			All	Race		
		White	Black	Other		White	Black	Other
Household characteristics:								
Households (sample)	14,930	12,735	1,735	460	4,495	3,824	518	153
Households (thousands)	68,388	58,153	7,956	2,279	88,942	75,949	9,794	3,199
Income before taxes (dollars) 1/	17,981	19,158	10,849	12,999	20,376	21,755	11,618	13,659
Food expenditures: 2/								
Total food (dollars)	2,093	2,162	1,743	1,780	2,059	2,146	1,560	1,843
At home food (dollars)	1,534	1,562	1,397	1,401	1,348	1,383	1,134	1,285
Away from home food (dollars)	559	600	346	380	711	763	425	558
Age of household head (years)	48.1	48.4	47.4	41.4	47.6	48.1	46.6	40.5
Household size (21-meal equivalents)	2.62	2.56	2.82	3.37	2.22	2.16	2.50	2.83
Household size (including boarders)	2.96	2.90	3.20	3.73	2.64	2.58	2.95	3.26
Children under 18 (number)	.95	.88	1.27	1.60	.73	.67	1.06	1.20
Adults over 64 (number)	.30	.31	.26	.12	.31	.32	.26	.21
Food group:				1988 dollars				
Dairy products (fresh equivalent)								
Fresh fluid milk	164.35	173.25	111.78	145.59	159.72	168.86	105.58	141.11
Processed milk	81.53	85.06	58.13	81.60	72.89	77.05	47.62	65.88
Cream, cream substitutes, dips	9.64	9.58	10.08	9.53	11.90	10.58	17.56	20.54
Frozen desserts with milk	5.63	6.35	1.88	2.65	5.87	6.55	1.88	4.45
Cheese	19.30	20.29	14.78	13.40	20.78	22.20	14.12	13.19
Fats and oils	48.25	51.97	26.91	38.42	48.28	52.48	24.40	37.05
Table fat	42.56	43.04	39.49	42.15	34.58	35.68	27.52	33.80
Shortening	19.26	20.20	14.67	14.57	14.99	16.00	10.18	9.74
Salad, cooking oils	4.88	4.29	8.35	6.19	2.23	2.02	3.74	1.93
Salad dressings	7.15	6.84	7.42	12.50	5.40	5.02	5.61	11.66
	11.25	11.71	9.06	8.90	11.96	12.64	7.99	10.48

See notes at end of table.

--Continued

Table 11--Race: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Race			All	Race		
		White	Black	Other		White	Black	Other
Food group:	1988 dollars							
Flour and cereals	68.52	66.97	75.68	77.64	70.35	71.56	62.19	70.48
Flour, not in mixes	5.84	5.53	6.62	9.54	2.35	2.09	3.26	4.52
Flour mixes	8.31	8.79	6.28	5.02	5.26	5.57	3.64	4.04
Breakfast cereals	34.86	35.31	33.10	31.30	44.36	46.29	36.26	31.45
Other cereals	19.51	17.34	29.68	31.78	18.37	17.61	19.02	30.47
Bakery products	121.42	127.36	88.18	103.48	113.51	120.52	77.38	84.48
Bread	42.37	43.14	36.17	45.55	34.98	36.22	27.22	33.53
Other baked goods, doughs	79.06	84.23	52.02	57.93	78.53	84.30	50.16	50.95
Meat	392.73	389.44	424.22	364.43	267.96	262.88	295.51	285.32
Beef	219.68	222.41	206.47	205.42	141.61	140.81	143.97	149.75
Pork	103.90	98.96	137.37	101.75	77.81	73.95	99.99	87.48
Veal	5.74	5.95	5.91	1.34	2.94	3.16	1.98	1.60
Lamb, mutton, goat	5.01	5.07	4.72	4.74	3.23	3.03	2.10	10.00
Variety meat, game, substitutes	10.94	10.73	13.10	8.70	4.12	3.95	5.91	2.50
Lunch meat	47.45	46.32	56.66	42.49	38.24	37.98	41.56	33.98
Poultry, fish, shellfish	121.89	116.12	158.43	126.80	131.57	127.38	151.30	153.98
Poultry	60.45	57.84	77.27	61.96	71.41	70.32	76.84	76.47
Fish, shellfish	61.44	58.28	81.16	64.84	60.16	57.06	74.46	77.50
Eggs (fresh equivalent)	19.23	18.84	20.59	22.88	14.48	14.21	15.60	16.20
Sugars, sweets	50.71	53.52	37.43	35.07	39.63	41.59	31.05	27.38
Sugars	12.74	12.65	13.94	11.01	8.75	8.16	12.69	8.74
Syrups, molasses, honey	6.32	6.49	5.53	5.22	4.88	5.02	4.43	3.49
Jellies, jams, preserves	7.63	7.93	6.40	5.34	5.23	5.55	3.76	3.46
Candies, nonfruit toppings	17.48	19.37	7.84	9.10	15.01	16.49	7.70	8.00
Miscellaneous sweets	6.54	7.08	3.71	4.40	5.76	6.37	2.47	3.69

See notes at end of table.

--Continued

Table 11--Race: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Race			All	Race		
		White	Black	Other		White	Black	Other
	1988 dollars							
Food group:								
Potatoes, sweetpotatoes								
Fresh	30.41	31.17	27.96	22.71	27.74	28.57	23.42	24.34
Commercially canned	17.46	17.24	19.78	14.89	12.60	12.61	12.95	11.50
Commercially frozen	.71	.66	1.14	.53	.42	.39	.74	3/
Dehydrated, instant	2.16	2.40	1.08	.66	2.55	2.73	1.38	2.41
Chips, sticks, salad	.70	.76	.35	.46	.95	1.04	.43	.68
	9.38	10.11	5.61	6.17	11.22	11.79	7.92	9.75
Fresh vegetables								
Dark green	102.08	105.13	85.96	90.01	73.89	75.45	56.79	91.94
Deep yellow	11.19	9.63	21.13	12.52	10.48	9.75	13.78	14.73
Tomatoes	6.44	7.02	2.98	5.22	4.88	5.27	2.25	5.03
Light green	18.19	19.35	11.05	16.59	12.79	13.64	6.87	13.30
Other vegetables	32.31	32.88	30.88	25.43	22.10	22.08	20.18	27.63
	33.95	36.25	19.93	30.24	23.64	24.71	13.70	31.25
Fresh fruits								
Citrus	94.52	97.22	73.60	103.31	66.88	70.29	45.30	63.52
Other vitamin C rich	18.84	18.72	17.57	24.87	13.14	13.65	7.96	17.97
Other fruits	8.39	9.39	3.14	4.32	6.67	7.25	2.91	6.38
	67.29	69.11	52.89	74.12	47.07	49.39	34.43	39.17
Canned vegetables and fruits								
Vegetables	43.61	44.24	36.73	51.51	30.89	31.56	26.58	30.48
Fruits	31.25	30.90	30.41	40.40	22.60	22.80	21.94	20.79
	12.36	13.33	6.32	11.11	8.29	8.76	4.64	9.69
Frozen vegetables and fruits								
Vegetables	11.97	12.10	12.99	6.44	13.84	14.45	11.97	7.77
Fruits	11.27	11.29	12.85	6.09	13.32	13.83	11.93	7.77
	.70	.81	.14	.35	.52	.62	3/	3/
Vegetable and fruit juices (juice equivalent)	41.61	41.80	39.26	44.88	41.97	42.16	41.02	41.22
Vegetable juice	3.82	4.15	1.98	2.80	2.93	3.18	1.30	2.77
Canned fruit juice	13.72	13.14	16.55	16.79	10.06	9.35	13.01	14.92
Frozen fruit juice	16.48	17.90	8.06	13.57	14.32	15.67	7.52	8.22
Fresh fruit juice	7.59	6.61	12.66	11.71	14.67	13.95	19.18	15.32

See notes at end of table.

--Continued

Table 11--Race: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Race			All	Race		
		White	Black	Other		White	Black	Other
Food group:								
	1988 dollars							
Dried vegetables and fruits								
Vegetables	6.79	6.31	8.36	11.49	5.05	4.73	5.88	8.64
Fruits	3.86	3.01	7.40	9.93	2.71	2.10	4.92	7.73
	2.93	3.30	.96	1.55	2.35	2.63	.96	.91
Beverages								
Coffee	142.07	150.17	102.68	100.21	150.69	159.96	97.83	126.15
Tea	31.28	33.64	17.50	25.78	25.41	27.98	11.39	16.97
Cocoa, baking chocolate	8.50	9.22	4.60	5.91	6.85	7.31	4.38	5.17
Soft drinks	2.26	2.44	1.09	2.28	1.50	1.62	.97	.75
Ades, punches, nectars	33.05	34.07	27.72	28.74	51.94	54.56	37.25	44.26
Alcoholic beverages	11.55	11.25	14.63	8.36	16.43	15.76	21.47	14.91
	55.43	59.55	37.14	29.14	48.56	52.73	22.38	44.08
Soups, sauces, gravies								
Ready-to-serve	15.14	15.87	11.00	13.22	11.01	12.09	4.74	8.34
Condensed, frozed, dried	3.48	3.65	2.57	2.67	4.47	4.95	2.26	1.86
	11.67	12.21	8.43	10.55	6.53	7.14	2.48	6.48
Nuts, condiments								
Nuts, peanut butter 4/	30.11	32.52	19.06	15.90	29.93	32.19	17.05	23.97
Catsup, chili sauce, etc.	16.42	17.90	9.61	7.85	18.84	20.47	9.81	13.96
Pickles, relishes	7.08	7.24	6.79	4.84	6.94	7.22	5.10	6.92
	6.61	7.38	2.66	3.22	4.14	4.50	2.14	3.09
Mixtures, dinners								
Canned, frozen, dried	27.34	29.53	15.63	19.19	64.10	69.04	37.75	46.17
Baby or junior, jarred	25.43	27.74	13.74	14.80	62.69	67.79	36.34	41.80
	1.91	1.79	1.89	4.38	1.42	1.25	1.41	4.37

Note: Numbers may not add due to rounding.
1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Less than 0.05.
4/ Nuts in shelled weight equivalent.

Table 12--Region: Average annual money value of food used at home (per 21-meal equivalent person)

Item	Year									
	1977/78					1987/88				
	All	Region				All	Region			
		Northeast	Midwest	South	West		Northeast	Midwest	South	West
Household characteristics:										
Households (sample)	14,930	3,541	3,746	5,191	2,452	4,495	905	1,172	1,567	851
Households (thousands)	68,388	16,714	17,971	21,104	12,599	88,942	18,875	21,975	30,620	17,472
Income before taxes (dollars) 1/	17,981	19,131	18,531	15,330	19,936	20,376	22,297	20,582	18,736	20,746
Food expenditures: 2/										
Total food (dollars)	2,093	2,361	1,983	1,916	2,194	2,059	2,179	1,955	2,054	2,072
At home food (dollars)	1,534	1,708	1,474	1,442	1,544	1,348	1,447	1,309	1,328	1,320
Away from home food (dollars)	559	653	509	474	650	711	732	646	726	751
Age of household head (years)	48.1	47.6	47.9	49.6	46.3	47.6	50.2	46.0	47.7	46.7
Household size (21-meal equivalents)	2.62	2.64	2.73	2.57	2.51	2.22	2.30	2.33	2.11	2.18
Household size (including boarders)	2.96	2.99	3.07	2.92	2.84	2.64	2.68	2.78	2.56	2.56
Children under 18 (number)	.95	.94	1.02	.93	.89	.73	.71	.85	.67	.69
Adults over 64 (number)	.30	.28	.29	.33	.27	.31	.35	.26	.32	.31
Food group:					1988 dollars					
Dairy products (fresh equivalent)	164.35	183.58	161.02	143.54	178.47	159.72	169.67	162.86	146.32	166.91
Fresh fluid milk	81.53	88.33	80.06	76.57	82.86	72.89	78.72	74.82	66.64	74.23
Processed milk	9.64	9.34	7.62	10.09	12.43	11.90	10.83	11.10	12.15	13.78
Cream, cream substitutes, dips	5.63	6.50	6.30	3.56	6.91	5.87	6.47	6.49	4.41	6.84
Frozen desserts with milk	19.30	23.39	19.08	17.17	17.60	20.78	21.12	20.09	20.94	21.06
Cheese	48.25	56.02	47.95	36.14	58.67	48.28	52.54	50.36	42.17	51.00
Fats and oils										
Table fat	42.56	45.37	41.40	41.64	42.02	34.58	38.23	31.64	35.56	32.73
Shortening	19.26	22.52	19.96	16.12	19.05	14.99	18.70	15.62	13.00	13.31
Salad, cooking oils	4.88	2.26	4.83	7.91	3.42	2.23	1.31	2.09	3.37	1.54
Salad dressings	7.15	9.63	5.27	6.84	7.18	5.40	6.09	3.19	6.96	4.94
	11.25	10.96	11.33	10.77	12.37	11.96	12.13	10.74	12.24	12.94

See notes at end of table.

--Continued

Table 12--Region: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year									
	1977/78					1987/88				
	All	Region				All	Region			
		Northeast	Midwest	South	West		Northeast	Midwest	South	West
Food group:	1988 dollars									
Flour and cereals										
Flour, not in mixes	68.52	71.99	66.98	69.70	64.04	70.35	75.15	71.28	68.70	66.41
Flour mixes	5.84	3.66	4.85	8.86	5.21	2.35	1.55	1.96	3.03	2.63
Breakfast cereals	8.31	8.65	9.15	7.16	8.53	5.26	5.20	5.70	5.41	4.50
Other cereals	34.86	36.67	37.41	32.13	33.06	44.36	47.19	45.68	42.64	42.28
	19.51	23.01	15.58	21.55	17.25	18.37	21.21	17.94	17.63	17.00
Bakery products										
Bread	121.42	147.56	122.20	103.16	115.19	113.51	125.01	115.04	103.86	114.69
Other baked goods, doughs	42.37	47.30	42.24	37.42	44.20	34.98	35.94	33.65	32.86	39.27
	79.06	100.26	79.97	65.74	70.99	78.53	89.08	81.39	71.00	75.42
Meat										
Beef	392.73	434.89	382.52	383.63	365.48	267.96	272.75	261.21	291.14	232.21
Pork	219.68	244.10	208.32	210.19	219.61	141.61	138.71	134.09	156.50	129.78
Veal	103.90	106.92	103.81	113.31	83.68	77.81	81.10	73.82	87.06	63.71
Lamb, mutton, goat	5.74	13.36	2.83	3.32	3.81	2.94	8.00	2.23	1.09	1.27
Variety meat, game, substitutes	5.01	10.50	2.27	1.58	7.49	3.23	5.75	1.37	1.51	5.79
Lunch meat	10.94	9.18	9.88	12.55	12.26	4.12	4.41	4.27	4.81	2.43
	47.45	50.84	55.40	42.67	38.63	38.24	34.78	45.44	40.17	29.22
Poultry, fish, shellfish										
Poultry	121.89	152.18	95.89	120.59	122.25	131.57	173.70	104.47	125.68	130.06
Fish, shellfish	60.45	76.28	50.44	58.28	57.67	71.41	87.79	60.74	67.77	73.28
	61.44	75.90	45.44	62.31	64.58	60.16	85.91	43.73	57.90	56.77
Eggs (fresh equivalent)	19.23	19.09	17.66	20.68	19.39	14.48	15.36	12.27	15.12	15.34
Sugars, sweets										
Sugars	50.71	51.14	52.82	48.37	50.88	39.63	40.79	41.75	38.52	37.35
Syrups, molasses, honey	12.74	11.20	12.05	15.75	10.80	8.75	7.02	7.04	12.83	6.10
Jellies, jams, preserves	6.32	5.83	5.97	6.12	7.88	4.88	5.08	4.39	4.65	5.70
Candies, nonfruit toppings	7.63	6.55	7.41	8.62	7.75	5.23	4.81	4.59	5.05	6.87
Miscellaneous sweets	17.48	19.85	20.07	12.91	18.04	15.01	18.06	18.34	11.32	13.30
	6.54	7.70	7.32	4.96	6.41	5.76	5.82	7.39	4.66	5.38

See notes at end of table.

--Continued

Table 12--Region: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year									
	1977/78					1987/88				
	All	Region				All	Region			
		Northeast	Midwest	South	West		Northeast	Midwest	South	West
	1988 dollars									
Food group:										
Potatoes, sweetpotatoes										
Fresh	30.41	29.98	33.16	31.45	24.92	27.74	27.21	29.32	30.38	21.72
Commercially canned	17.46	16.44	17.65	20.78	12.88	12.60	12.90	11.75	14.68	9.88
Commercially frozen	.71	.68	.66	.86	.58	.42	.47	.28	.50	.41
Dehydrated, instant	2.16	2.80	2.71	1.40	1.73	2.55	2.44	3.39	2.38	1.84
Chips, sticks, salad	.70	.71	.87	.50	.76	.95	.99	1.03	1.07	.58
Fresh vegetables	9.38	9.36	11.28	7.91	8.98	11.22	10.42	12.87	11.75	9.02
Dark green	102.08	106.50	95.02	104.67	102.40	73.89	82.31	63.49	73.98	78.13
Deep yellow	11.19	13.10	8.85	12.14	10.55	10.48	12.35	7.82	11.54	10.13
Tomatoes	6.44	7.32	6.69	4.79	7.64	4.88	6.08	4.69	3.81	5.60
Light green	18.19	19.46	17.17	17.84	18.60	12.79	13.43	12.07	12.92	12.79
Other vegetables	32.31	30.26	29.30	38.10	29.86	22.10	23.86	17.91	23.94	22.60
	33.95	36.36	33.00	31.80	35.75	23.64	26.59	21.01	21.77	27.01
Fresh fruits										
Citrus	94.52	102.76	90.67	76.12	120.61	66.88	70.66	67.29	58.01	77.05
Other vitamin C rich	18.84	22.13	17.42	14.44	24.02	13.14	14.37	10.88	12.84	15.28
Other fruits	8.39	9.07	7.98	6.69	10.98	6.67	7.68	6.77	5.32	7.69
	67.29	71.56	65.26	55.00	85.60	47.07	48.62	49.64	39.86	54.08
Canned vegetables and fruits										
Vegetables	43.61	46.43	43.31	42.61	41.83	30.89	33.79	30.59	33.02	24.38
Fruits	31.25	34.13	29.34	32.14	28.67	22.60	24.55	20.76	25.69	17.61
	12.36	12.31	13.97	10.47	13.16	8.29	9.24	9.83	7.33	6.77
Frozen vegetables and fruits										
Vegetables	11.97	15.81	9.96	10.37	12.48	13.84	17.72	11.47	15.13	10.42
Fruits	11.27	14.89	9.20	10.00	11.60	13.32	17.37	10.53	14.74	10.04
	.70	.92	.76	.37	.89	.52	.35	.93	.39	.38
Vegetable and fruit juices (juice equivalent)	41.61	51.57	35.74	35.43	47.48	41.97	49.40	39.45	38.48	42.84
Vegetable juice	3.82	3.72	3.99	3.42	4.38	2.93	2.75	3.41	2.32	3.52
Canned fruit juice	13.72	13.65	10.86	14.79	16.45	10.06	8.71	9.16	10.55	11.96
Frozen fruit juice	16.48	19.68	16.74	11.78	19.70	14.32	12.05	16.84	10.99	19.15
Fresh fruit juice	7.59	14.53	4.15	5.43	6.96	14.67	25.88	10.03	14.61	8.20

See notes at end of table.

--Continued

Table 12--Region: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year									
	1977/78					1987/88				
	All	Region				All	Region			
		Northeast	Midwest	South	West		Northeast	Midwest	South	West
Food group:	1988 dollars									
Dried vegetables and fruits	6.79	6.04	4.96	7.88	8.78	5.05	4.50	4.08	5.84	5.67
Vegetables	3.86	2.65	2.32	6.01	4.23	2.71	1.75	1.89	3.82	3.02
Fruits	2.93	3.40	2.63	1.88	4.54	2.35	2.75	2.19	2.02	2.64
Beverages	142.07	160.47	136.23	124.91	154.96	150.69	155.19	140.81	151.98	156.68
Coffee	31.28	32.81	31.15	31.12	29.58	25.41	29.40	22.92	25.61	23.88
Tea	8.50	10.34	6.71	9.91	6.29	6.85	7.27	4.21	9.95	4.66
Cocoa, baking chocolate	2.26	2.54	2.58	1.59	2.56	1.50	2.19	1.39	1.12	1.52
Soft drinks	33.05	34.33	32.55	33.59	31.08	51.94	48.41	57.30	51.15	50.08
Ades, punches, nectars	11.55	12.08	12.88	10.60	10.41	16.43	19.28	15.52	15.63	15.77
Alcoholic beverages	55.43	68.37	50.37	38.10	75.04	48.56	48.64	39.47	48.53	60.79
Soups, sauces, gravies	15.14	16.92	15.71	12.67	16.04	11.01	11.70	12.78	8.42	12.21
Ready-to-serve	3.48	4.46	3.30	3.00	3.18	4.47	5.11	5.10	3.15	5.14
Condensed, frozed, dried	11.67	12.46	12.41	9.67	12.86	6.53	6.58	7.68	5.27	7.06
Nuts, condiments	30.11	30.88	32.72	25.73	32.54	29.93	30.39	31.16	25.53	35.23
Nuts, peanut butter 3/	16.42	16.31	16.45	13.99	20.72	18.84	18.53	18.89	16.18	23.68
Catsup, chili sauce, etc.	7.08	7.80	8.10	6.13	6.15	6.94	8.21	7.08	6.04	6.84
Pickles, relishes	6.61	6.77	8.17	5.61	5.67	4.14	3.65	5.19	3.31	4.71
Mixtures, dinners	27.34	30.10	27.62	24.08	28.67	64.10	53.63	77.93	62.36	60.38
Canned, frozen, dried	25.43	28.03	25.91	22.01	26.94	62.69	51.84	76.40	61.02	59.43
Baby or junior, jarred	1.91	2.07	1.71	2.07	1.72	1.42	1.78	1.54	1.35	.95

Note: Numbers may not add due to rounding.
1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Nut in shelled equivalent.

Table 13--Urbanization: Average annual money value of food used at home (per 21-meal equivalent person)

Item	Year							
	1977/78				1987/88			
	All	Urbanization			All	Urbanization		
		Central city	Suburban	Nonmetro		Central city	Suburban	Nonmetro
Household characteristics:								
Households (sample)	14,930	4,424	5,234	5,272	4,495	1,064	2,122	1,309
Households (thousands)	68,388	21,541	24,590	22,256	88,942	27,717	40,871	20,354
Income before taxes (dollars) 1/	17,981	16,618	20,544	16,391	20,376	18,435	24,028	15,260
Food expenditures: 2/								
Total food (dollars)	2,093	2,185	2,234	1,856	2,059	2,021	2,227	1,774
At home food (dollars)	1,534	1,595	1,580	1,431	1,348	1,326	1,414	1,245
Away from home food (dollars)	559	591	654	426	711	695	814	530
Age of household head (years)	48.1	47.1	47.2	49.9	47.6	47.1	47.2	49.2
Household size (21-meal equivalents)	2.62	2.41	2.72	2.70	2.22	2.12	2.25	2.29
Household size (including boarders)	2.96	2.75	3.12	2.99	2.64	2.49	2.72	2.69
Children under 18 (number)	.95	.86	1.01	.96	.73	.72	.71	.78
Adults over 64 (number)	.30	.29	.26	.35	.31	.31	.27	.37
Food group:				1988 dollars				
Dairy products (fresh equivalent)								
Fresh fluid milk	164.35	160.72	174.06	156.69	159.72	157.90	165.23	151.12
Processed milk	81.53	78.51	84.07	81.32	72.89	70.52	74.25	73.17
Cream, cream substitutes, dips	9.64	9.46	9.07	10.44	11.90	18.67	8.58	9.94
Frozen desserts with milk	5.63	5.35	6.41	4.99	5.87	5.50	6.53	5.04
Cheese	19.30	17.28	21.32	18.81	20.78	17.19	24.51	17.93
Fats and oils	48.25	50.13	53.20	41.12	48.28	46.02	51.36	45.04
Table fat	42.56	43.32	42.26	42.24	34.58	31.22	36.52	34.98
Shortening	19.26	18.96	20.34	18.34	14.99	13.97	16.04	14.21
Salad, cooking oils	4.88	4.47	3.41	6.88	2.23	1.58	1.60	4.29
Salad dressings	7.15	8.89	6.70	6.16	5.40	5.47	5.20	5.70
	11.25	11.00	11.81	10.86	11.96	10.20	13.68	10.78

See notes at end of table.

--Continued

Table 13--Urbanization: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Urbanization			All	Urbanization		
		Central city	Suburban	Nonmetro		Central city	Suburban	Nonmetro
Food group:	1988 dollars							
Flour and cereals	68.52	71.59	65.73	68.96	70.35	70.80	71.80	66.90
Flour, not in mixes	5.84	4.77	4.21	8.56	2.35	2.10	1.83	3.69
Flour mixes	8.31	8.01	8.70	8.14	5.26	4.98	5.60	4.96
Breakfast cereals	34.86	34.94	35.28	34.32	44.36	44.11	45.83	41.77
Other cereals	19.51	23.87	17.54	17.94	18.37	19.61	18.54	16.48
Bakery products	121.42	119.86	132.60	110.37	113.51	103.59	123.42	106.39
Bread	42.37	45.07	42.78	39.58	34.98	32.87	36.79	34.05
Other baked goods, doughs	79.06	74.79	89.82	70.80	78.53	70.72	86.63	72.34
Meat	392.73	420.05	399.78	361.30	267.96	261.53	271.38	269.30
Beef	219.68	228.55	230.70	199.80	141.61	139.36	143.05	141.61
Pork	103.90	112.02	102.19	98.79	77.81	74.37	79.26	79.27
Veal	5.74	8.68	6.49	2.38	2.94	4.17	3.30	.68
Lamb, mutton, goat	5.01	7.49	5.19	2.66	3.23	2.84	3.95	2.31
Variety meat, game, substitutes	10.94	10.94	8.48	13.67	4.12	3.57	3.13	6.79
Lunch meat	47.45	52.38	46.73	44.00	38.24	37.23	38.69	38.64
Poultry, fish, shellfish	121.89	147.51	121.15	100.57	131.57	144.47	136.43	105.71
Poultry	60.45	70.71	61.54	50.39	71.41	75.60	74.65	59.73
Fish, shellfish	61.44	76.80	59.61	50.18	60.16	68.87	61.78	45.98
Eggs (fresh equivalent)	19.23	20.35	18.55	19.03	14.48	14.81	14.21	14.60
Sugars, sweets	50.71	43.88	52.14	55.03	39.63	35.51	41.67	40.80
Sugars	12.74	11.26	11.50	15.40	8.75	8.26	7.60	11.65
Syrups, molasses, honey	6.32	5.93	6.00	7.01	4.88	4.90	4.98	4.65
Jellies, jams, preserves	7.63	6.43	7.68	8.61	5.23	4.18	5.85	5.32
Candies, nonfruit toppings	17.48	14.71	19.85	17.25	15.01	13.52	16.82	13.31
Miscellaneous sweets	6.54	5.55	7.11	6.76	5.76	4.64	6.42	5.87

See notes at end of table.

--Continued

Table 13--Urbanization: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Urbanization			All	Urbanization		
		Central city	Suburban	Nonmetro		Central city	Suburban	Nonmetro
	1988 dollars							
Food group:								
Potatoes, sweetpotatoes								
Fresh	30.41	28.88	30.34	31.79	27.74	23.88	27.97	32.13
Commercially canned	17.46	17.18	15.55	19.82	12.60	12.01	12.26	14.03
Commercially frozen	.71	.86	.71	.59	.42	.41	.32	.62
Dehydrated, instant	2.16	2.07	2.56	1.79	2.55	2.12	2.53	3.14
Chips, sticks, salad	.70	.70	.84	.54	.95	.75	1.17	.76
	9.38	8.07	10.68	9.06	11.22	8.60	11.69	13.58
Fresh vegetables								
Dark green	102.08	101.02	100.80	104.40	73.89	67.35	80.23	69.57
Deep yellow	11.19	14.70	10.43	9.01	10.48	11.41	11.43	7.43
Tomatoes	6.44	6.15	6.74	6.35	4.88	4.84	5.13	4.45
Light green	18.19	17.24	17.74	19.51	12.79	10.08	13.76	14.26
Other vegetables	32.31	30.61	30.87	35.36	22.10	20.80	23.37	21.22
	33.95	32.32	35.01	34.18	23.64	20.21	26.54	22.22
Fresh fruits								
Citrus	94.52	101.37	99.09	83.53	66.88	66.17	73.52	54.61
Other vitamin C rich	18.84	22.13	19.38	15.40	13.14	13.32	14.53	10.15
Other fruits	8.39	7.65	9.83	7.42	6.67	6.18	7.76	5.14
	67.29	71.59	69.88	60.70	47.07	46.67	51.23	39.33
Canned vegetables and fruits								
Vegetables	43.61	46.77	42.98	41.57	30.89	30.16	29.83	33.91
Fruits	31.25	35.70	30.10	28.68	22.60	21.78	22.10	24.64
	12.36	11.07	12.88	12.89	8.29	8.39	7.74	9.27
Frozen vegetables and fruits								
Vegetables	11.97	13.85	13.75	8.37	13.84	13.66	15.49	10.79
Fruits	11.27	13.23	13.06	7.58	13.32	13.12	14.97	10.30
	.70	.62	.69	.79	.52	.54	.53	.49
Vegetable and fruit juices (juice equivalent)	41.61	47.87	41.39	36.46	41.97	43.81	44.04	35.55
Vegetable juice	3.82	3.60	3.72	4.13	2.93	2.39	3.29	2.90
Canned fruit juice	13.72	16.28	11.80	13.65	10.06	10.58	10.54	8.45
Frozen fruit juice	16.48	16.09	17.96	15.18	14.32	15.30	13.99	13.75
Fresh fruit juice	7.59	11.91	7.91	3.50	14.67	15.55	16.23	10.45

See notes at end of table.

--Continued

Table 13--Urbanization: Average annual money value of food used at home (per 21-meal equivalent person)--Continued

Item	Year							
	1977/78				1987/88			
	All	Urbanization			All	Urbanization		
		Central city	Suburban	Nonmetro		Central city	Suburban	Nonmetro
Food group:	1988 dollars							
Dried vegetables and fruits	6.79	7.84	5.80	6.97	5.05	5.75	4.63	5.01
Vegetables	3.86	4.93	2.57	4.36	2.71	3.63	2.00	2.96
Fruits	2.93	2.91	3.23	2.61	2.35	2.13	2.63	2.05
Beverages	142.07	145.57	155.83	123.76	150.69	150.41	164.36	124.00
Coffee	31.28	29.18	32.07	32.20	25.41	22.60	27.09	25.63
Tea	8.50	7.18	9.37	8.66	6.85	5.12	7.19	8.36
Cocoa, baking chocolate	2.26	1.94	2.58	2.20	1.50	1.60	1.32	1.75
Soft drinks	33.05	33.68	34.42	30.97	51.94	50.76	54.47	48.41
Ades, punches, nectars	11.55	11.90	12.21	10.53	16.43	18.28	17.84	11.32
Alcoholic beverages	55.43	61.70	65.18	39.20	48.56	52.05	56.45	28.54
Soups, sauces, gravies	15.14	15.77	15.57	14.13	11.01	10.52	11.86	9.93
Ready-to-serve	3.48	3.72	3.45	3.29	4.47	4.46	5.15	3.17
Condensed, frozed, dried	11.67	12.05	12.12	10.84	6.53	6.06	6.71	6.76
Nuts, condiments	30.11	27.64	31.75	30.44	29.93	27.43	32.34	28.31
Nuts, peanut butter 3/	16.42	14.97	17.74	16.21	18.84	17.55	20.70	16.81
Catsup, chili sauce, etc.	7.08	7.17	7.26	6.80	6.94	6.33	7.18	7.24
Pickles, relishes	6.61	5.49	6.74	7.43	4.14	3.54	4.46	4.26
Mixtures, dinners	27.34	26.18	31.06	24.21	64.10	67.37	68.71	50.87
Canned, frozen, dried	25.43	24.05	29.14	22.51	62.69	65.48	67.48	49.68
Baby or junior, jarred	1.91	2.13	1.93	1.71	1.42	1.89	1.23	1.19

Note: Numbers may not add due to rounding.
1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Nuts in shelled equivalent weight.

Table 14--Household size: Percentage of households using food items in a week

Item	Year											
	1977/78						1987/88					
	All	Household size					All	Household size				
		One	Two	Three	Four	Five or more		One	Two	Three	Four	Five or more
Household characteristics:												
Households (sample)	14,930	2,761	4,602	2,626	2,492	2,449	4,495	929	1,417	868	786	495
Households (thousands)	68,388	12,673	20,920	11,963	11,504	11,328	88,942	21,183	28,033	16,501	14,026	9,199
Income before taxes (dollars) 1/	17,981	15,056	21,559	19,853	17,446	13,844	20,376	17,566	24,735	21,769	19,440	12,856
Food expenditures: 2/												
Total food (dollars)	2,093	3,010	2,475	2,200	1,962	1,699	2,059	2,845	2,486	2,113	1,841	1,472
At home food (dollars)	1,534	1,981	1,769	1,614	1,448	1,311	1,348	1,685	1,543	1,379	1,256	1,075
Away from home food (dollars)	559	1,030	707	586	513	388	711	1,161	944	734	585	397
Age of household head (years)	48.1	56.0	53.4	44.0	39.6	42.1	47.6	53.9	50.9	43.5	40.6	41.1
Household size (21-meal equivalents)	2.62	.88	1.82	2.63	3.50	5.12	2.22	.83	1.69	2.49	3.32	4.85
Household size (including boarders)	2.96	1.00	2.00	3.00	4.00	5.83	2.64	1.00	2.00	3.00	4.00	5.67
Children under 18 (number)	.95	NA	.06	.75	1.67	3.11	.73	NA	.08	.74	1.64	2.97
Adults over 64 (number)	.30	.44	.53	.18	.05	.07	.31	.40	.50	.18	.09	.10
Food group:												
	Percent											
Dairy products (fresh equivalent)												
Fresh fluid milk	98.8	95.7	99.1	99.5	100.0	99.7	98.1	94.0	99.2	99.4	99.4	99.7
Processed milk	93.9	83.7	93.4	97.5	98.5	97.6	93.0	82.3	94.7	96.8	98.2	98.0
Cream, cream substitutes, dips	26.4	18.3	24.4	27.7	29.4	35.0	17.2	10.3	15.9	16.9	23.4	28.4
Frozen desserts with milk	29.5	21.2	31.1	29.4	32.1	33.2	27.8	19.0	28.2	32.2	31.4	33.9
Cheese	49.9	32.5	47.2	51.1	59.9	63.0	42.8	28.7	43.1	46.2	52.2	53.8
	81.8	67.3	81.6	84.4	88.3	88.9	79.7	67.0	80.9	84.4	87.2	85.7
Fats and oils												
Table fat	95.3	87.7	96.1	97.3	98.1	97.6	90.1	79.9	92.6	93.0	94.2	94.2
Shortening	91.7	80.3	92.9	94.3	95.7	95.2	84.4	71.3	86.1	88.8	90.9	91.3
Salad, cooking oils	31.1	16.8	26.9	35.0	37.8	43.6	15.5	5.3	13.6	18.8	24.4	24.7
Salad dressings	45.1	28.6	46.8	48.1	52.2	50.3	32.0	19.9	33.7	34.8	37.9	40.3
	70.5	49.5	67.8	76.2	80.9	82.4	63.8	46.4	65.7	68.6	74.0	74.2

See notes at end of table.

--Continued

Table 14--Household size: Percentage of households using food items in a week--Continued

Item	Year											
	1977/78						1987/88					
	All	Household size					All	Household size				
		One	Two	Three	Four	Five or more		One	Two	Three	Four	Five or more
Food group:	Percent											
Flour and cereals	93.4	79.3	93.5	97.2	98.7	99.4	89.7	78.4	89.8	93.1	96.7	98.3
Flour, not in mixes	54.0	28.8	52.2	60.1	62.3	70.9	29.5	13.5	30.2	31.0	40.1	45.6
Flour mixes	27.6	10.8	23.0	30.8	36.8	42.3	20.4	10.2	18.8	20.8	30.4	32.3
Breakfast cereals	78.8	59.8	72.0	85.0	90.6	94.2	77.7	61.0	75.9	84.1	90.6	90.3
Other cereals	70.2	45.2	65.7	76.8	82.4	87.1	61.2	41.1	58.0	68.9	75.3	81.7
Bakery products	98.6	95.6	98.8	99.4	99.7	99.7	98.1	94.7	98.9	98.8	99.8	99.4
Bread	95.2	88.3	94.6	97.6	98.3	98.4	92.1	83.1	93.2	94.2	97.3	98.1
Other baked goods, doughs	88.8	75.6	88.7	92.5	94.5	94.2	88.4	78.3	90.1	89.4	94.4	95.3
Meat	97.4	91.0	97.9	98.9	99.6	99.7	93.2	82.2	94.2	98.1	98.3	98.8
Beef	91.2	74.2	91.8	95.7	97.4	98.0	81.3	61.7	80.1	91.3	93.0	94.3
Pork	79.0	59.6	78.2	84.2	86.6	89.0	65.5	46.5	66.3	72.1	73.9	81.8
Veal	5.6	4.1	5.7	5.8	6.2	6.5	2.8	2.2	3.0	3.5	2.9	2.1
Lamb, mutton, goat	4.2	4.6	4.3	4.1	4.2	3.9	2.6	3.1	2.3	2.4	2.4	2.8
Variety meat, game, substitutes	13.3	10.3	13.5	13.9	13.4	15.2	6.8	4.7	5.6	8.6	8.5	9.1
Lunch meat	68.5	44.0	60.9	75.5	83.4	87.4	61.3	43.0	55.8	68.9	75.9	84.8
Poultry, fish, shellfish	81.1	67.8	79.2	84.3	87.5	89.6	81.5	68.6	80.7	87.0	89.5	92.1
Poultry	68.4	54.8	65.3	71.2	75.2	79.8	70.7	55.4	69.4	76.9	80.2	84.2
Fish, shellfish	51.4	38.7	50.1	54.2	56.5	59.8	50.3	40.8	48.7	54.4	60.0	54.6
Eggs (fresh equivalent)	93.0	81.5	93.0	96.0	97.0	98.6	82.2	67.7	80.2	88.5	92.1	95.4
Sugars, sweets	92.7	81.1	92.3	96.0	97.2	98.3	78.9	63.2	78.8	81.9	90.2	93.0
Sugars	83.2	64.4	81.9	87.6	90.7	94.2	63.3	43.8	61.8	67.7	76.5	84.7
Syrups, molasses, honey	34.1	20.0	30.4	35.6	44.8	44.4	25.4	15.5	22.7	25.7	37.7	36.7
Jellies, jams, preserves	49.1	31.8	44.1	51.7	60.0	64.1	31.8	19.8	30.6	31.7	43.8	45.6
Candies, nonfruit toppings	37.7	23.8	35.2	40.2	46.8	45.9	32.3	21.0	31.6	34.8	42.4	40.8
Miscellaneous sweets	28.4	15.1	25.1	31.3	36.1	38.1	19.9	10.4	18.6	20.3	29.6	30.5

See notes at end of table.

--Continued

Table 14--Household size: Percentage of households using food items in a week--Continued

Item	Year											
	1977/78						1987/88					
	All	Household size					All	Household size				
		One	Two	Three	Four	Five or more		One	Two	Three	Four	Five or more
Food group:	Percent											
Potatoes, sweetpotatoes												
Fresh	83.8	62.3	83.5	89.8	92.0	93.9	76.5	59.0	76.4	81.8	86.5	92.3
Commercially canned	74.2	51.2	74.8	79.2	82.5	85.4	63.8	47.4	64.8	67.4	72.3	78.5
Commercially frozen	4.0	1.9	2.7	5.4	5.3	6.0	2.4	1.0	1.6	4.7	2.9	2.9
Dehydrated, instant	10.0	3.5	7.5	10.8	15.6	15.3	8.8	3.5	6.6	8.7	16.3	16.3
Chips, sticks, salad	4.7	3.1	3.9	6.0	5.6	6.0	4.8	1.5	4.2	5.4	7.2	9.8
	31.1	13.4	22.4	35.6	44.3	48.6	31.9	17.1	25.9	36.8	47.9	50.8
Fresh vegetables												
Dark green	92.6	80.9	94.5	94.5	96.2	96.5	85.9	73.0	88.4	89.9	90.3	94.4
Deep yellow	35.8	25.8	37.1	37.9	39.3	39.1	38.2	28.1	40.9	43.0	43.1	37.6
Tomatoes	39.9	29.2	42.7	38.3	44.2	44.4	36.9	27.3	38.9	39.2	41.3	42.3
Light green	55.1	41.5	57.2	57.1	59.7	59.5	47.7	34.9	50.4	52.3	50.3	56.7
Other vegetables	79.8	61.9	82.6	81.3	86.3	86.4	67.6	52.1	70.0	73.6	70.8	80.4
	77.7	59.0	80.3	81.3	83.6	83.7	68.2	51.6	72.8	72.5	72.8	77.6
Fresh fruits												
Citrus	83.9	73.0	84.3	85.7	89.6	87.9	78.8	69.7	80.9	80.3	83.2	83.5
Other vitamin C rich	41.3	31.6	41.5	41.6	45.9	46.4	32.8	24.0	32.3	36.1	37.6	41.3
Other fruits	15.1	11.4	16.8	14.2	16.5	15.7	17.3	11.0	20.1	21.1	16.3	17.9
	78.1	64.8	77.7	80.8	85.0	83.9	74.3	65.1	76.1	75.0	79.5	80.8
Canned vegetables and fruits												
Vegetables	77.0	58.1	74.1	82.2	86.5	88.5	65.8	51.5	62.3	71.7	75.6	84.2
Fruits	71.6	50.7	67.7	78.2	82.5	84.4	60.5	45.6	56.5	66.6	71.9	79.1
	32.9	21.0	30.8	35.9	39.7	40.0	23.9	15.1	20.7	29.2	30.2	34.3
Frozen vegetables and fruits												
Vegetables	34.8	25.3	34.3	37.6	39.9	38.5	35.0	26.2	32.6	40.9	42.4	40.8
Fruits	33.9	24.6	33.4	37.0	38.9	36.7	34.4	25.9	31.9	40.3	41.8	40.2
	2.1	1.1	1.8	2.3	2.7	2.8	1.3	1.0	1.1	1.7	1.7	.9
Vegetable and fruit juices (juice equivalent)	75.0	65.2	74.2	77.7	80.0	79.7	71.4	60.4	71.0	74.7	80.7	78.2
Vegetable juice	17.2	12.1	18.0	18.2	18.2	19.1	10.7	8.2	12.3	12.0	9.5	11.1
Canned fruit juice	33.2	27.5	31.2	35.8	36.1	37.4	22.6	17.1	20.0	23.9	29.4	30.7
Frozen fruit juice	38.1	26.7	37.1	40.5	44.6	43.3	30.2	20.0	31.2	34.1	35.9	35.1
Fresh fruit juice	15.0	15.1	14.6	15.4	15.1	14.9	28.8	25.6	28.4	28.6	33.4	30.9

See notes at end of table.

--Continued

Table 14--Household size: Percentage of households using food items in a week--Continued

Item	Year											
	1977/78						1987/88					
	All	Household size					All	Household size				
		One	Two	Three	Four	Five or more		One	Two	Three	Four	Five or more
Food group:	Percent											
Dried vegetables and fruits	28.9	18.6	27.6	31.0	32.5	36.9	22.5	14.9	22.5	22.7	26.6	33.8
Vegetables	20.7	12.1	19.1	22.3	22.7	29.6	14.1	7.3	14.0	13.3	18.0	25.4
Fruits	10.7	8.1	10.7	11.3	12.9	10.5	10.0	7.9	9.9	10.8	10.8	12.3
Beverages	97.2	93.3	97.3	98.2	98.7	98.5	93.4	87.6	94.1	95.1	97.4	95.6
Coffee	76.8	68.0	80.5	75.1	77.8	80.8	62.5	54.8	65.5	65.6	64.3	62.7
Tea	53.2	40.3	53.4	57.9	59.0	56.4	37.9	26.5	38.8	40.3	46.0	44.8
Cocoa, baking chocolate	14.2	4.8	8.9	15.5	22.2	24.9	8.3	2.9	8.1	8.1	14.6	12.5
Soft drinks	62.5	41.8	57.3	71.3	74.3	73.8	68.5	52.1	68.3	77.0	76.4	80.0
Ades, punches, nectars	37.2	18.1	26.3	43.3	52.4	57.1	36.9	19.5	30.7	44.7	54.3	55.6
Alcoholic beverages	34.5	26.5	36.0	35.7	38.3	35.4	29.3	24.3	32.6	30.8	30.7	25.6
Soups, sauces, gravies	51.5	38.3	47.4	55.4	59.9	61.1	36.0	29.5	33.5	39.4	41.1	45.0
Ready-to-serve	10.8	8.6	10.2	11.7	12.9	11.0	12.8	14.0	11.2	14.1	11.9	13.9
Condensed, frozed, dried	45.7	32.5	41.3	49.4	54.2	56.3	27.1	18.7	25.5	29.5	33.2	38.1
Nuts, condiments	72.1	49.1	69.7	77.7	84.0	84.4	64.1	47.8	62.3	69.0	78.5	76.6
Nuts, peanut butter 4/	52.5	32.8	47.5	55.5	65.4	67.5	51.4	36.6	49.7	54.0	66.0	63.7
Catsup, chili sauce, etc.	44.7	20.8	39.9	51.5	57.6	59.9	30.3	14.0	28.0	34.9	44.8	44.5
Pickles, relishes	29.4	16.0	28.5	32.3	35.7	36.7	19.7	10.6	22.2	20.1	24.8	24.0
Mixtures, dinners	37.1	26.0	29.8	42.4	47.1	47.4	50.3	40.5	46.6	54.8	60.9	60.0
Canned, frozen, dried	35.4	25.9	29.5	39.4	44.0	44.1	49.5	40.5	46.6	52.9	58.9	58.4
Baby or junior, jarred	3.1	3/	3/	5.4	5.5	6.3	2.2	3/	3/	4.5	4.5	6.1

NA = Not applicable.
1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Less than 0.5 percent.
4/ Nuts in shelled weight equivalent.

Table 15--Household type: Percentage of households using food items in a week

Item	Year							
	1977/78				1987/88			
	All	Household Type			All	Household Type		
		Female head with children	Male and female head with children	Other		Female head with children	Male and female head with children	Other
Household characteristics:								
Households (sample)	14,930	1,317	6,197	7,416	4,495	434	1,718	2,343
Households (thousands)	68,388	6,084	28,463	33,841	88,942	9,647	30,268	49,027
Income before taxes (dollars) 1/	17,981	9,834	18,354	19,180	20,376	10,772	20,750	22,072
Food expenditures: 2/								
Total food (dollars)	2,093	1,771	1,914	2,574	2,059	1,616	1,833	2,571
At home food (dollars)	1,534	1,434	1,426	1,794	1,348	1,151	1,256	1,562
Away from home food (dollars)	559	337	488	780	711	464	577	1,009
Age of household head (years)	48.1	42.0	41.6	54.6	47.6	42.1	41.8	52.3
Household size (21-meal equivalents)	2.62	2.93	3.82	1.55	2.22	2.66	3.42	1.39
Household size (including boarders)	2.96	3.42	4.33	1.72	2.64	3.22	4.05	1.66
Children under 18 (number)	.95	1.72	1.84	.05	.73	1.47	1.58	.06
Adults over 64 (number)	.30	.11	.06	.52	.31	.12	.09	.48
Food group:				Percent				
Dairy products (fresh equivalent)								
Fresh fluid milk	98.8	98.9	99.9	97.9	98.1	98.8	99.7	96.9
Processed milk	93.9	95.3	98.2	90.0	93.0	96.3	98.1	89.2
Cream, cream substitutes, dips	26.4	27.3	31.2	22.3	17.2	20.2	22.8	13.2
Frozen desserts with milk	29.5	19.5	33.8	27.7	27.8	22.9	34.6	24.6
Cheese	49.9	44.5	60.2	42.2	42.8	37.2	53.7	37.1
	81.8	78.6	88.9	76.4	79.7	78.3	87.9	75.0
Fats and oils								
Table fat	95.3	95.8	97.9	93.1	90.1	92.1	93.9	87.3
Shortening	91.7	91.3	95.6	88.4	84.4	86.9	90.8	79.9
Salad, cooking oils	31.1	37.5	38.5	23.6	15.5	23.0	21.7	10.2
Salad dressings	45.1	39.7	52.1	40.2	32.0	30.1	39.5	27.7
	70.5	70.3	81.3	61.4	63.8	64.8	73.4	57.7

See notes at end of table.

--Continued

Table 15--Household type: Percentage of households using food items in a week--Continued

Item	Year							
	1977/78				1987/88			
	All	Household Type			All	Household Type		
		Female head with children	Male and female head with children	Other		Female head with children	Male and female head with children	Other
Food group:	Percent							
Flour and cereals	93.4	97.0	98.7	88.3	89.7	92.1	96.8	84.8
Flour, not in mixes	54.0	56.5	65.6	43.9	29.5	34.3	39.2	22.6
Flour mixes	27.6	29.0	38.1	18.6	20.4	24.7	27.7	14.9
Breakfast cereals	78.8	83.7	91.0	67.7	77.7	78.0	90.5	69.7
Other cereals	70.2	78.2	82.1	58.8	61.2	72.6	74.5	50.7
Bakery products	98.6	99.4	99.7	97.6	98.1	98.6	99.4	97.2
Bread	95.2	96.8	98.2	92.4	92.1	91.4	97.2	89.1
Other baked goods, doughs	88.8	88.4	94.8	83.9	88.4	92.5	93.5	84.4
Meat	97.4	98.5	99.5	95.4	93.2	97.6	98.2	89.3
Beef	91.2	92.7	97.7	85.5	81.3	89.3	92.5	72.8
Pork	79.0	83.6	87.0	71.5	65.5	74.3	75.4	57.6
Veal	5.6	4.5	6.3	5.2	2.8	3.0	3.1	2.6
Lamb, mutton, goat	4.2	3.0	4.3	4.4	2.6	2.2	2.6	2.6
Variety meat, game, substitutes	13.3	14.3	14.0	12.5	6.8	9.2	8.4	5.3
Lunch meat	68.5	76.5	83.0	54.8	61.3	69.6	75.8	50.8
Poultry, fish, shellfish	81.1	86.4	86.9	75.3	81.5	86.3	89.5	75.7
Poultry	68.4	77.8	74.4	61.7	70.7	78.5	79.4	63.8
Fish, shellfish	51.4	54.2	56.9	46.3	50.3	47.5	58.4	45.7
Eggs (fresh equivalent)	93.0	95.6	97.4	88.9	82.2	89.6	91.6	75.0
Sugars, sweets	92.7	93.2	97.7	88.4	78.9	82.9	89.0	71.9
Sugars	83.2	84.5	91.5	75.9	63.3	69.5	76.6	53.9
Syrups, molasses, honey	34.1	32.3	43.2	26.8	25.4	24.7	33.8	20.3
Jellies, jams, preserves	49.1	47.9	60.3	40.0	31.8	28.9	41.9	26.2
Candies, nonfruit toppings	37.7	32.0	47.0	30.8	32.3	30.5	42.1	26.7
Miscellaneous sweets	28.4	25.1	37.2	21.5	19.9	20.5	27.6	15.1

See notes at end of table.

--Continued

Table 15--Household type: Percentage of households using food items in a week--Continued

Item	Year							
	1977/78				1987/88			
	All	Household Type			All	Household Type		
		Female head with children	Male and female head with children	Other		Female head with children	Male and female head with children	Other
Food group:	Percent							
Potatoes, sweetpotatoes								
Fresh	83.8	84.7	93.1	75.9	76.5	80.8	87.1	69.1
Commercially canned	74.2	74.9	83.7	66.2	63.8	67.5	72.9	57.4
Commercially frozen	4.0	4.5	5.7	2.5	2.4	3.8	3.5	1.3
Dehydrated, instant	10.0	8.9	14.6	6.3	8.8	10.1	13.8	5.4
Chips, sticks, salad	4.7	4.5	5.9	3.8	4.8	6.4	7.0	3.2
	31.1	29.2	45.4	19.4	31.9	35.8	45.8	22.5
Fresh vegetables								
Dark green	92.6	93.3	96.1	89.4	85.9	87.9	92.5	81.5
Deep yellow	35.8	37.1	38.6	33.3	38.2	37.1	42.7	35.7
Tomatoes	39.9	30.1	44.9	37.5	36.9	27.9	44.6	33.9
Light green	55.1	52.1	60.1	51.3	47.7	45.4	54.2	44.1
Other vegetables	79.8	77.0	85.9	75.1	67.6	66.0	75.8	62.8
	77.7	75.7	84.2	72.5	68.2	65.3	76.7	63.5
Fresh fruits								
Citrus	83.9	82.4	89.0	80.0	78.8	72.2	84.5	76.6
Other vitamin C rich	41.3	42.1	45.1	37.9	32.8	29.1	39.1	29.6
Other fruits	15.1	10.4	16.1	15.1	17.3	11.9	20.4	16.4
	78.1	75.6	84.9	72.9	74.3	67.6	80.3	71.9
Canned vegetables and fruits								
Vegetables	77.0	81.0	86.5	68.3	65.8	73.1	76.3	58.0
Fruits	71.6	77.6	82.2	61.7	60.5	70.1	71.5	51.9
	32.9	27.6	41.0	27.0	23.9	20.3	33.2	18.8
Frozen vegetables and fruits								
Vegetables	34.8	31.8	40.2	30.9	35.0	28.5	43.9	30.9
Fruits	33.9	31.2	38.9	30.1	34.4	28.5	43.0	30.3
	2.1	1.2	2.9	1.6	1.3	3/	1.9	1.1
Vegetable and fruit juices (juice equivalent)								
Vegetable juice	75.0	73.8	80.2	70.9	71.4	69.8	79.8	66.6
Canned fruit juice	17.2	12.1	19.6	16.0	10.7	8.2	11.6	10.6
Frozen fruit juice	33.2	33.4	36.9	30.0	22.6	21.7	29.6	18.5
Fresh fruit juice	38.1	30.3	45.3	33.4	30.2	24.0	37.1	27.2
	15.0	21.2	14.2	14.5	28.8	35.6	30.6	26.4

See notes at end of table.

--Continued

Table 15--Household type: Percentage of households using food items in a week--Continued

Item	Year							
	1977/78				1987/88			
	All	Household Type			All	Household Type		
		Female head with children	Male and female head with children	Other		Female head with children	Male and female head with children	Other
Food group:	Percent							
Dried vegetables and fruits	28.9	34.9	32.7	24.6	22.5	25.1	27.6	18.9
Vegetables	20.7	28.3	23.6	16.9	14.1	21.1	17.2	10.8
Fruits	10.7	8.2	12.2	9.8	10.0	5.3	13.0	9.1
Beverages	97.2	97.1	98.8	95.8	93.4	94.0	96.8	91.2
Coffee	76.8	65.9	79.7	76.4	62.5	53.5	67.3	61.3
Tea	53.2	47.3	59.6	48.9	37.9	32.6	46.2	33.9
Cocoa, baking chocolate	14.2	12.5	22.4	7.5	8.3	11.1	12.3	5.4
Soft drinks	62.5	61.3	75.5	51.7	68.5	69.4	80.0	61.3
Ades, punches, nectars	37.2	46.0	51.5	23.7	36.9	52.3	49.7	26.0
Alcoholic beverages	34.5	20.0	39.1	33.2	29.3	13.7	31.8	30.8
Soups, sauces, gravies	51.5	49.6	60.9	43.9	36.0	34.7	42.4	32.3
Ready-to-serve	10.8	10.0	12.4	9.6	12.8	10.4	13.9	12.5
Condensed, frozed, dried	45.7	43.7	55.5	37.9	27.1	26.9	33.8	23.1
Nuts, condiments	72.1	68.3	84.2	62.7	64.1	66.0	76.1	56.4
Nuts, peanut butter 4/	52.5	48.2	64.7	43.0	51.4	51.8	62.4	44.5
Catsup, chili sauce, etc.	44.7	44.8	58.5	33.0	30.3	33.1	42.4	22.2
Pickles, relishes	29.4	23.3	37.3	23.9	19.7	17.9	24.3	17.2
Mixtures, dinners	37.1	41.5	46.5	28.4	50.3	53.3	59.7	44.0
Canned, frozen, dried	35.4	39.4	43.2	28.2	49.5	52.9	57.4	44.0
Baby or junior, jarred	3.1	3.7	6.2	3/	2.2	3.1	5.4	3/

1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Less than .5 percent.
4/ Nuts in shelled weight equivalent.

Table 16--Income quintile: Percentage of households using food items in a week

Item	Year													
	1977/78							1987/88						
	All	Income quintile					Not reported	All	Income quintile					Not reported
		First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)			First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)	
Household characteristics:														
Households (sample)	14,930	2,203	2,189	2,233	2,189	2,203	3,913	4,495	732	732	729	739	732	831
Households (thousands)	68,388	9,793	9,953	10,253	10,191	10,626	17,571	88,942	13,107	13,056	13,452	15,335	17,875	16,117
Income before taxes (dollars) 1/	17,981	4,803	9,969	14,701	21,067	38,341	NA	20,376	4,251	9,412	14,972	22,313	42,615	NA
Food expenditures: 2/														
Total food (dollars)	2,093	1,500	1,747	1,969	2,323	3,090	2,071	2,059	1,397	1,555	1,939	2,316	3,122	1,985
At home food (dollars)	1,534	1,296	1,394	1,473	1,651	1,921	1,527	1,348	1,102	1,159	1,314	1,462	1,725	1,311
Away from home food (dollars)	559	205	354	496	672	1,169	544	711	295	396	625	854	1,396	674
Age of household head (years)	48.1	52.2	50.3	44.4	44.3	45.8	50.2	47.6	49.7	48.5	46.4	44.6	45.4	51.5
Household size (21-meal equivalents)	2.62	2.60	2.72	2.93	2.62	2.18	2.65	2.22	2.39	2.49	2.31	2.13	1.85	2.27
Household size (including boarders)	2.96	2.85	2.99	3.30	3.00	2.61	2.99	2.64	2.71	2.87	2.71	2.60	2.36	2.69
Children under 18 (number)	.95	1.20	1.08	1.22	.90	.52	.86	.73	1.09	1.00	.80	.63	.37	.65
Adults over 64 (number)	.30	.45	.46	.22	.15	.13	.35	.31	.39	.39	.32	.20	.16	.44
Food group:							Percent							
Dairy products (fresh equivalent)	98.8	97.7	99.1	99.3	99.3	98.9	98.7	98.1	96.6	99.3	98.7	96.9	98.4	98.5
Fresh fluid milk	93.9	89.4	94.2	95.5	95.8	93.5	94.3	93.0	91.0	93.5	94.4	93.7	92.5	93.1
Processed milk	26.4	27.4	29.0	27.6	25.5	25.3	25.0	17.2	19.8	16.9	17.4	18.8	14.7	16.5
Cream, cream substitutes, dips	29.5	17.8	25.3	31.5	34.0	36.9	30.2	27.8	18.7	27.3	28.0	31.1	34.2	25.4
Frozen desserts with milk	49.9	40.7	47.1	53.4	55.0	51.9	50.5	42.8	30.6	42.0	46.2	47.9	47.8	40.0
Cheese	81.8	68.6	80.1	86.7	87.6	87.2	80.6	79.7	68.7	78.6	82.7	82.9	84.1	79.4
Fats and oils														
Table fat	95.3	92.7	95.7	96.8	96.1	95.4	95.3	90.1	86.5	88.4	93.3	89.7	92.4	89.4
Shortening	91.7	87.7	92.4	93.2	92.4	91.7	92.1	84.4	81.4	82.9	88.6	83.8	85.3	84.0
Salad, cooking oils	31.1	36.2	33.4	32.7	28.6	20.2	33.9	15.5	20.4	21.1	15.8	13.0	8.4	16.8
Salad dressings	45.1	34.5	44.6	48.5	48.8	51.1	43.7	32.0	24.0	30.9	32.2	35.2	33.6	34.3
	70.5	58.2	68.3	74.8	75.4	74.9	70.6	63.8	55.4	63.9	63.1	68.0	69.5	60.9

See notes at end of table.

--Continued

Table 16--Income quintile: Percentage of households using food items in a week--Continued

Item	Year													
	1977/78							1987/88						
	All	Income quintile					Not reported	All	Income quintile					Not reported
		First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)			First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)	
Food group:	Percent													
Flour and cereals	93.4	93.9	94.6	94.6	93.4	89.2	94.1	89.7	89.9	91.0	89.8	88.5	88.1	91.1
Flour, not in mixes	54.0	56.9	54.0	56.8	53.3	43.4	57.8	29.5	34.2	33.9	28.8	25.6	24.1	32.6
Flour mixes	27.6	21.2	28.0	32.1	31.2	27.3	26.5	20.4	21.1	23.2	22.0	19.4	17.2	20.4
Breakfast cereals	78.8	78.0	82.1	83.3	79.4	72.8	78.1	77.7	75.1	81.7	78.6	76.3	74.9	80.1
Other cereals	70.2	72.3	71.2	72.2	70.3	65.1	70.4	61.2	64.2	61.5	59.4	61.1	58.7	62.8
Bakery products	98.6	98.1	98.9	99.0	98.9	98.0	98.6	98.1	97.1	98.8	97.9	96.7	99.2	98.5
Bread	95.2	94.7	96.1	95.7	95.8	93.8	95.3	92.1	90.9	93.9	93.4	90.3	91.1	93.4
Other baked goods, doughs	88.8	81.9	89.3	91.2	92.5	90.2	88.2	88.4	84.8	89.3	89.7	90.6	89.0	86.7
Meat	97.4	97.1	97.7	97.7	97.6	96.8	97.4	93.2	93.4	95.3	95.1	91.7	89.6	95.2
Beef	91.2	86.9	90.7	93.6	93.6	91.3	91.0	81.3	80.6	84.1	84.2	80.6	77.0	82.7
Pork	79.0	76.5	79.3	81.4	79.5	76.7	80.0	65.5	63.5	71.2	68.9	64.8	60.4	65.9
Veal	5.6	4.3	4.7	5.4	6.5	7.3	5.6	2.8	2.5	2.3	1.6	3.4	2.8	3.7
Lamb, mutton, goat	4.2	3.2	3.7	3.9	4.4	5.8	4.2	2.6	1.9	1.2	2.5	2.7	3.8	2.9
Variety meat, game, substitutes	13.3	15.2	14.1	13.3	12.3	11.6	13.3	6.8	7.3	8.0	7.0	6.4	4.6	7.8
Lunch meat	68.5	65.1	70.7	74.4	71.1	63.1	67.4	61.3	66.1	66.0	65.1	62.2	52.0	60.1
Poultry, fish, shellfish	81.1	80.9	81.2	81.6	80.9	79.4	82.1	81.5	82.0	80.6	78.5	83.5	80.0	84.3
Poultry	68.4	71.8	68.7	68.1	65.8	64.5	70.5	70.7	72.6	70.7	67.1	72.4	69.3	72.1
Fish, shellfish	51.4	45.4	51.4	54.2	52.1	54.7	50.7	50.3	48.5	48.6	50.2	53.2	50.7	49.7
Eggs (fresh equivalent)	93.0	93.0	94.7	94.5	92.9	89.7	93.2	82.2	85.0	86.3	84.8	79.4	75.9	84.1
Sugars, sweets	92.7	91.4	93.2	94.2	93.8	89.4	93.6	78.9	79.4	82.8	82.7	77.5	75.4	77.6
Sugars	83.2	84.2	84.1	86.0	84.4	76.4	83.7	63.3	70.3	68.0	66.7	58.9	56.5	62.8
Syrups, molasses, honey	34.1	28.3	33.6	36.7	36.9	34.8	34.2	25.4	23.8	27.0	26.9	24.7	25.5	24.5
Jellies, jams, preserves	49.1	40.2	50.7	54.4	51.0	48.4	49.4	31.8	27.8	33.7	31.3	32.1	33.3	32.2
Candies, nonfruit toppings	37.7	27.1	36.9	43.1	43.3	39.2	36.6	32.3	29.1	30.6	35.2	33.0	36.1	29.3
Miscellaneous sweets	28.4	23.1	27.3	32.6	31.1	27.6	28.3	19.9	16.0	22.3	24.5	22.9	17.7	17.1

See notes at end of table.

--Continued

Table 16--Income quintile: Percentage of households using food items in a week--Continued

Item	Year													
	1977/78							1987/88						
	All	Income quintile					Not reported	All	Income quintile					Not reported
		First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)			First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)	
Food group:	Percent													
Potatoes, sweetpotatoes														
Fresh	83.8	81.7	85.2	86.3	84.5	80.1	84.6	76.5	77.4	76.7	81.2	76.6	71.6	77.1
Commercially canned	74.2	73.8	77.5	76.1	73.1	67.2	76.4	63.8	66.3	64.4	64.5	62.0	58.9	67.6
Commercially frozen	4.0	4.4	4.2	5.1	4.5	3.1	3.4	2.4	3.7	3.1	3.6	2.4	.7	1.4
Dehydrated, instant	10.0	4.9	8.0	13.8	12.8	10.7	9.6	8.8	6.2	10.1	12.3	9.1	8.7	6.7
Chips, sticks, salad	4.7	4.2	4.3	5.9	6.1	4.7	3.9	4.8	5.6	5.7	6.8	3.8	3.6	4.0
	31.1	19.5	27.3	38.9	38.2	32.6	30.0	31.9	26.2	33.1	37.8	34.9	29.8	29.9
Fresh vegetables														
Dark green	92.6	89.2	92.0	94.0	93.7	93.2	92.9	85.9	81.8	87.4	86.5	83.4	86.7	89.1
Deep yellow	35.8	32.6	34.2	34.3	34.6	40.3	37.5	38.2	28.6	33.4	37.6	37.1	46.9	42.0
Tomatoes	39.9	29.0	38.5	42.0	45.4	44.5	39.7	36.9	29.2	35.5	36.9	38.9	41.2	37.7
Light green	55.1	46.4	55.5	58.2	56.4	59.5	54.4	47.7	41.7	44.0	47.1	47.5	52.0	51.5
Other vegetables	79.8	70.2	78.2	82.3	83.2	83.3	80.5	67.6	60.5	67.5	66.1	68.4	70.7	70.3
	77.7	68.8	76.0	81.2	80.2	82.4	77.2	68.2	59.6	67.7	67.1	67.2	72.7	72.6
Fresh fruits														
Citrus	83.9	75.8	82.7	85.5	87.2	86.2	85.0	78.8	71.0	77.3	78.9	78.5	84.0	80.6
Other vitamin C rich	41.3	34.7	39.0	42.0	45.3	44.6	41.4	32.8	27.1	29.9	32.3	30.3	40.1	34.4
Other fruits	15.1	9.7	14.2	14.5	17.5	20.2	14.5	17.3	10.0	13.8	16.1	18.2	22.4	20.3
	78.1	68.6	76.7	80.5	81.5	80.8	79.3	74.3	67.1	72.4	73.9	74.3	79.2	76.7
Canned vegetables and fruits														
Vegetables	77.0	74.5	77.7	80.8	78.9	73.6	76.7	65.8	70.4	69.2	67.3	67.6	57.9	65.3
Fruits	71.6	69.6	73.0	76.5	73.7	67.0	70.8	60.5	65.7	64.6	62.6	63.4	51.3	58.9
	32.9	25.8	31.6	36.4	35.9	32.5	34.1	23.9	23.5	24.8	24.4	28.7	20.3	22.2
Frozen vegetables and fruits														
Vegetables	34.8	23.7	28.8	36.9	40.7	43.8	34.3	35.0	23.5	32.6	36.8	39.4	40.9	34.2
Fruits	33.9	22.8	27.9	35.8	39.7	43.1	33.3	34.4	23.4	31.6	36.0	38.6	40.5	33.9
	2.1	1.3	1.8	2.4	2.4	1.9	2.4	1.3	3/	1.5	1.2	1.9	1.2	1.3
Vegetable and fruit juices (juice equivalent)	75.0	67.1	71.5	76.7	78.2	79.8	75.8	71.4	66.0	67.7	72.4	72.8	73.8	74.0
Vegetable juice	17.2	11.8	14.7	17.5	19.3	21.1	17.8	10.7	9.2	8.7	12.3	10.1	11.8	11.5
Canned fruit juice	33.2	31.4	32.0	32.9	33.4	34.6	34.0	22.6	24.7	22.8	21.8	21.9	22.7	22.1
Frozen fruit juice	38.1	24.5	32.2	41.2	44.8	45.9	38.5	30.2	21.4	28.1	33.6	33.2	33.0	30.4
Fresh fruit juice	15.0	16.6	15.2	14.7	14.4	15.3	14.2	28.8	27.1	24.7	27.3	28.6	31.9	31.6

See notes at end of table.

--Continued

Table 16--Income quintile: Percentage of households using food items in a week--Continued

Item	Year													
	1977/78							1987/88						
	All	Income quintile					Not reported	All	Income quintile					Not reported
		First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)			First (lowest)	Second	Third (middle)	Fourth	Fifth (highest)	
Food group:														
	Percent													
Dried vegetables and fruits	28.9	33.7	31.7	28.4	26.1	24.2	29.5	22.5	24.0	24.0	20.4	21.5	20.0	25.9
Vegetables	20.7	29.5	25.4	19.5	16.4	14.0	20.4	14.1	20.2	15.1	12.3	11.6	9.9	16.8
Fruits	10.7	6.2	9.1	11.7	12.3	12.7	11.2	10.0	5.2	9.5	9.2	11.3	12.2	11.1
Beverages	97.2	94.6	96.9	97.8	98.0	98.6	97.0	93.4	89.0	93.2	95.7	95.0	94.6	92.5
Coffee	76.8	70.4	77.2	76.9	76.2	80.0	78.6	62.5	53.1	61.7	62.6	63.5	68.6	63.0
Tea	53.2	42.6	51.4	56.7	58.1	55.6	53.8	37.9	31.4	37.7	39.1	40.7	38.8	38.8
Cocoa, baking chocolate	14.2	8.7	14.2	18.1	16.3	14.4	13.5	8.3	7.6	7.7	11.2	7.6	7.7	8.5
Soft drinks	62.5	50.8	57.9	68.0	69.8	70.0	59.6	68.5	59.1	64.7	72.8	72.9	73.5	66.1
Ades, punches, nectars	37.2	35.2	37.6	44.2	39.5	32.3	35.8	36.9	39.6	40.4	38.1	40.9	29.1	35.8
Alcoholic beverages	34.5	15.8	25.2	36.5	42.8	54.9	31.8	29.3	13.8	20.2	28.2	35.9	46.4	24.8
Soups, sauces, gravies	51.5	43.5	49.0	55.9	56.3	54.3	50.3	36.0	30.9	39.8	40.6	35.3	36.4	33.6
Ready-to-serve	10.8	8.9	9.4	11.4	12.0	12.4	10.5	12.8	9.3	15.3	13.2	10.1	14.9	13.3
Condensed, frozed, dried	45.7	37.8	43.3	50.3	50.5	48.0	44.8	27.1	24.7	29.4	31.8	27.5	26.1	24.3
Nuts, condiments	72.1	56.9	69.8	77.5	77.3	76.6	72.0	64.1	57.7	61.4	68.7	68.2	68.2	59.2
Nuts, peanut butter 4/	52.5	39.2	50.9	58.9	57.4	55.4	52.4	51.4	44.7	47.5	54.5	55.5	56.6	47.7
Catsup, chili sauce, etc.	44.7	35.6	42.8	49.9	48.1	47.0	44.3	30.3	26.7	31.4	34.3	30.8	29.7	29.1
Pickles, relishes	29.4	19.2	27.5	33.4	33.0	33.8	29.1	19.7	12.7	19.9	22.5	21.7	23.2	16.9
Mixtures, dinners	37.1	33.7	37.6	42.1	41.9	36.2	33.7	50.3	41.4	47.9	53.3	57.8	56.5	43.2
Canned, frozen, dried	35.4	31.2	36.0	39.6	40.1	35.3	32.4	49.5	40.2	47.1	52.5	56.1	56.3	42.7
Baby or junior, jarred	3.1	4.2	3.5	4.6	3.0	1.6	2.3	2.2	3.0	2.4	2.2	3.5	.9	1.8

NA = Not applicable.
1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Less than 0.5 percent.
4/ Nuts in shelled weight equivalent.

Table 17--Race: Percentage of households using food items in a week

Item	Year							
	1977/78				1987/88			
	All	Race			All	Race		
		White	Black	Other		White	Black	Other
Household characteristics:								
Households (sample)	14,930	12,735	1,735	460	4,495	3,824	518	153
Households (thousands)	68,388	58,153	7,956	2,279	88,942	75,949	9,794	3,199
Income before taxes (dollars) 1/	17,981	19,158	10,849	12,999	20,376	21,755	11,618	13,659
Food expenditures: 2/								
Total food (dollars)	2,093	2,162	1,743	1,780	2,059	2,146	1,560	1,843
At home food (dollars)	1,534	1,562	1,397	1,401	1,348	1,383	1,134	1,285
Away from home food (dollars)	559	600	346	380	711	763	425	558
Age of household head (years)	48.1	48.4	47.4	41.4	47.6	48.1	46.6	40.5
Household size (21-meal equivalents)	2.62	2.56	2.82	3.37	2.22	2.16	2.50	2.83
Household size (including boarders)	2.96	2.90	3.20	3.73	2.64	2.58	2.95	3.26
Children under 18 (number)	.95	.88	1.27	1.60	.73	.67	1.06	1.20
Adults over 64 (number)	.30	.31	.26	.12	.31	.32	.26	.21
Food group:				Percent				
Dairy products (fresh equivalent)	98.8	99.1	96.9	99.2	98.1	98.4	95.4	98.3
Fresh fluid milk	93.9	94.5	88.5	96.2	93.0	93.8	86.3	95.1
Processed milk	26.4	26.0	31.3	19.7	17.2	16.6	22.2	17.1
Cream, cream substitutes, dips	29.5	32.2	12.9	17.6	27.8	29.9	13.9	22.2
Frozen desserts with milk	49.9	51.3	42.0	41.5	42.8	44.6	32.0	31.3
Cheese	81.8	84.3	63.9	79.2	79.7	82.4	61.8	71.1
Fats and oils								
Table fat	95.3	96.0	90.5	94.5	90.1	90.8	85.2	87.9
Shortening	91.7	92.9	84.2	87.8	84.4	85.6	79.4	71.3
Salad, cooking oils	31.1	29.4	43.5	30.5	15.5	14.5	24.0	13.2
Salad dressings	45.1	46.0	34.8	58.4	32.0	32.3	24.9	46.9
	70.5	71.9	61.8	63.5	63.8	65.5	53.8	55.7

See notes at end of table.

--Continued

Table 17--Race: Percentage of households using food items in a week--Continued

Item	Year							
	1977/78				1987/88			
	All	Race			All	Race		
		White	Black	Other		White	Black	Other
Food group:	Percent							
Flour and cereals	93.4	93.3	93.7	94.7	89.7	90.0	86.1	92.1
Flour, not in mixes	54.0	53.0	62.8	51.0	29.5	27.8	40.7	37.1
Flour mixes	27.6	28.6	21.9	22.9	20.4	20.7	19.0	16.5
Breakfast cereals	78.8	79.5	73.7	80.5	77.7	79.3	67.3	70.8
Other cereals	70.2	68.1	81.9	84.3	61.2	59.9	66.3	76.1
Bakery products	98.6	98.7	98.1	98.4	98.1	98.4	96.8	94.1
Bread	95.2	95.2	95.5	95.4	92.1	92.5	91.8	84.8
Other baked goods, doughs	88.8	90.2	79.9	85.1	88.4	89.3	81.8	86.2
Meat	97.4	97.2	98.8	97.2	93.2	92.8	96.3	93.8
Beef	91.2	91.3	89.9	94.0	81.3	81.1	81.3	86.9
Pork	79.0	78.1	84.9	80.9	65.5	64.2	74.4	69.5
Veal	5.6	5.7	6.2	2.5	2.8	2.8	3.1	2.0
Lamb, mutton, goat	4.2	4.0	5.1	7.0	2.6	2.4	2.2	8.1
Variety meat, game, substitutes	13.3	12.2	20.7	14.4	6.8	6.2	11.4	5.9
Lunch meat	68.5	68.0	72.3	66.9	61.3	60.3	67.9	65.9
Poultry, fish, shellfish	81.1	79.3	91.9	89.3	81.5	80.1	90.9	86.4
Poultry	68.4	65.4	86.4	82.6	70.7	68.4	86.2	78.8
Fish, shellfish	51.4	50.3	58.0	56.5	50.3	49.7	53.6	53.9
Eggs (fresh equivalent)	93.0	92.6	95.0	96.8	82.2	81.4	88.0	83.9
Sugars, sweets	92.7	92.9	90.7	93.6	78.9	78.9	78.7	80.9
Sugars	83.2	82.8	84.7	88.4	63.3	61.7	72.8	73.5
Syrups, molasses, honey	34.1	35.1	28.3	30.5	25.4	25.9	22.3	22.5
Jellies, jams, preserves	49.1	50.6	40.7	40.3	31.8	32.8	25.9	27.6
Candies, nonfruit toppings	37.7	40.1	22.9	27.5	32.3	34.4	20.0	20.8
Miscellaneous sweets	28.4	30.3	15.5	22.9	19.9	21.4	9.9	16.6

See notes at end of table.

--Continued

Table 17--Race: Percentage of households using food items in a week--Continued

Item	Year							
	1977/78				1987/88			
	All	Race			All	Race		
		White	Black	Other		White	Black	Other
Food group:								
	Percent							
Potatoes, sweetpotatoes								
Fresh	83.8	84.6	78.8	81.1	76.5	77.2	73.0	71.3
Commercially canned	74.2	74.6	71.3	75.9	63.8	64.0	62.5	61.0
Commercially frozen	4.0	3.9	5.2	3.1	2.4	2.2	4.0	3/
Dehydrated, instant	10.0	11.0	4.6	3.6	8.8	9.3	5.5	5.3
Chips, sticks, salad	4.7	5.1	2.2	3.6	4.8	5.1	3.1	3.0
	31.1	32.7	20.6	25.0	31.9	32.9	25.3	27.5
Fresh vegetables								
Dark green	92.6	92.8	90.3	95.4	85.9	85.6	86.8	90.1
Deep yellow	35.8	33.7	48.5	46.2	38.2	37.4	41.2	49.4
Tomatoes	39.9	42.7	19.0	41.7	36.9	39.1	17.5	45.7
Light green	55.1	56.4	42.2	66.9	47.7	48.6	36.5	59.8
Other vegetables	79.8	80.6	72.2	85.1	67.6	67.3	65.7	79.2
	77.7	79.0	66.2	83.1	68.2	68.7	62.1	76.3
Fresh fruits								
Citrus	83.9	85.0	75.5	86.7	78.8	80.5	64.5	80.3
Other vitamin C rich	41.3	40.6	41.3	57.2	32.8	33.2	26.7	43.2
Other fruits	15.1	16.4	7.2	10.3	17.3	18.1	9.6	19.8
	78.1	79.5	67.3	81.8	74.3	76.2	59.9	74.5
Canned vegetables and fruits								
Vegetables	77.0	77.6	71.8	80.1	65.8	66.0	66.7	58.6
Fruits	71.6	71.7	69.6	77.7	60.5	60.4	63.6	54.7
	32.9	35.2	18.7	24.1	23.9	25.2	14.4	20.4
Frozen vegetables and fruits								
Vegetables	34.8	35.3	34.0	26.3	35.0	36.3	28.7	24.8
Fruits	33.9	34.2	33.7	25.3	34.4	35.6	28.6	24.8
	2.1	2.3	.7	1.9	1.3	1.4	3/	3/
Vegetable and fruit juices (juice equivalent)	75.0	75.2	72.9	78.6	71.4	71.2	72.7	72.4
Vegetable juice	17.2	18.6	7.7	14.8	10.7	11.4	5.1	10.1
Canned fruit juice	33.2	32.3	38.4	37.1	22.6	21.9	25.7	30.5
Frozen fruit juice	38.1	40.8	20.5	30.0	30.2	32.1	17.0	25.1
Fresh fruit juice	15.0	13.4	23.9	24.7	28.8	27.4	40.7	26.9

See notes at end of table.

--Continued

Table 17--Race: Percentage of households using food items in a week--Continued

Item	Year							
	1977/78				1987/88			
	All	Race			All	Race		
		White	Black	Other		White	Black	Other
Food group:	Percent							
Dried vegetables and fruits	28.9	27.5	34.9	43.8	22.5	21.6	27.4	30.5
Vegetables	20.7	18.3	32.7	39.9	14.1	12.4	22.8	28.2
Fruits	10.7	11.7	3.8	7.9	10.0	10.7	6.0	4.4
Beverages	97.2	97.7	93.5	95.3	93.4	94.0	89.1	92.9
Coffee	76.8	79.1	60.0	77.2	62.5	65.5	41.2	56.6
Tea	53.2	55.8	37.3	41.8	37.9	39.1	29.1	37.3
Cocoa, baking chocolate	14.2	15.2	6.7	14.0	8.3	9.1	4.3	3.3
Soft drinks	62.5	63.1	56.9	65.9	68.5	69.4	62.1	68.4
Ades, punches, nectars	37.2	36.4	43.1	37.1	36.9	35.3	46.9	46.2
Alcoholic beverages	34.5	36.8	20.3	25.8	29.3	31.0	16.2	27.6
Soups, sauces, gravies	51.5	53.9	35.0	47.0	36.0	38.3	19.9	30.7
Ready-to-serve	10.8	11.2	7.8	8.9	12.8	13.5	9.1	8.0
Condensed, frozed, dried	45.7	48.0	29.9	42.7	27.1	29.2	11.8	25.0
Nuts, condiments	72.1	75.0	54.8	58.4	64.1	66.1	49.3	62.4
Nuts, peanut butter 4/	52.5	55.3	36.1	36.8	51.4	53.6	35.3	49.1
Catsup, chili sauce, etc.	44.7	46.3	35.1	36.0	30.3	31.4	23.2	26.2
Pickles, relishes	29.4	31.8	15.1	17.4	19.7	20.8	12.0	14.8
Mixtures, dinners	37.1	38.7	26.9	31.7	50.3	53.2	32.4	36.2
Canned, frozen, dried	35.4	37.3	24.8	25.9	49.5	52.4	31.8	34.5
Baby or junior, jarred	3.1	2.9	2.9	9.3	2.2	2.0	2.7	6.0

1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Less than 0.5 percent.
4/ Nuts in shelled weight equivalent.

Table 18--Region: Percentage of households using food items in a week

Item	Year									
	1977/78					1987/88				
	All	Region				All	Region			
		Northeast	Midwest	South	West		Northeast	Midwest	South	West
Household characteristics:										
Households (sample)	14,930	3,541	3,746	5,191	2,452	4,495	905	1,172	1,567	851
Households (thousands)	68,388	16,714	17,971	21,104	12,599	88,942	18,875	21,975	30,620	17,472
Income before taxes (dollars) 1/	17,981	19,131	18,531	15,330	19,936	20,376	22,297	20,582	18,736	20,746
Food expenditures: 2/										
Total food (dollars)	2,093	2,361	1,983	1,916	2,194	2,059	2,179	1,955	2,054	2,072
At home food (dollars)	1,534	1,708	1,474	1,442	1,544	1,348	1,447	1,309	1,328	1,320
Away from home food (dollars)	559	653	509	474	650	711	732	646	726	751
Age of household head (years)	48.1	47.6	47.9	49.6	46.3	47.6	50.2	46.0	47.7	46.7
Household size (21-meal equivalents)	2.62	2.64	2.73	2.57	2.51	2.22	2.30	2.33	2.11	2.18
Household size (including boarders)	2.96	2.99	3.07	2.92	2.84	2.64	2.68	2.78	2.56	2.56
Children under 18 (number)	.95	.94	1.02	.93	.89	.73	.71	.85	.67	.69
Adults over 64 (number)	.30	.28	.29	.33	.27	.31	.35	.26	.32	.31
Food group:										
	Percent									
Dairy products (fresh equivalent)										
Fresh fluid milk	98.8	99.3	98.9	98.2	98.9	98.1	98.4	98.4	97.6	98.2
Processed milk	93.9	95.5	94.4	92.2	93.7	93.0	93.8	94.2	91.8	92.8
Cream, cream substitutes, dips	26.4	24.3	23.5	29.5	28.4	17.2	16.9	14.7	17.7	20.1
Frozen desserts with milk	29.5	32.7	34.3	20.2	34.1	27.8	29.2	30.7	23.6	30.2
Cheese	49.9	52.2	53.6	46.4	47.6	42.8	42.2	45.8	40.3	44.0
	81.8	87.4	84.1	72.9	85.9	79.7	81.9	81.1	75.6	83.1
Fats and oils										
Table fat	95.3	95.9	96.1	94.4	95.1	90.1	89.5	90.5	89.0	91.9
Shortening	91.7	92.3	93.5	90.1	90.9	84.4	85.0	85.6	83.1	84.6
Salad, cooking oils	31.1	18.1	34.3	42.5	24.4	15.5	9.6	17.7	19.2	12.3
Salad dressings	45.1	54.6	40.0	39.0	50.1	32.0	34.1	25.7	33.4	35.1
	70.5	69.8	71.3	69.2	72.5	63.8	61.9	62.8	63.3	68.0

See notes at end of table.

--Continued

Table 18--Region: Percentage of households using food items in a week--Continued

Item	Year									
	1977/78					1987/88				
	All	Region				All	Region			
		Northeast	North Central	South	West		Northeast	North Central	South	West
Food group:	Percent									
Flour and cereals	93.4	93.3	93.9	93.9	92.0	89.7	89.1	90.5	89.3	89.8
Flour, not in mixes	54.0	42.2	57.9	64.0	47.6	29.5	23.2	30.8	32.6	29.3
Flour mixes	27.6	27.3	31.4	23.3	29.9	20.4	20.3	22.4	18.9	20.4
Breakfast cereals	78.8	79.9	82.0	75.8	77.8	77.7	78.3	79.1	76.3	77.7
Other cereals	70.2	72.7	66.6	75.0	64.0	61.2	64.4	61.3	61.6	56.9
Bakery products	98.6	98.8	98.9	98.5	98.2	98.1	97.6	99.0	97.8	97.9
Bread	95.2	94.6	96.0	95.7	94.2	92.1	91.4	94.5	91.8	90.5
Other baked goods, doughs	88.8	91.4	90.6	86.5	86.9	88.4	87.5	91.0	87.4	87.8
Meat	97.4	96.8	98.2	98.0	96.0	93.2	93.5	95.7	94.1	88.2
Beef	91.2	91.6	92.9	90.1	90.1	81.3	80.1	84.5	81.9	77.6
Pork	79.0	76.0	81.0	83.9	72.0	65.5	62.7	66.7	69.7	59.6
Veal	5.6	11.4	3.7	3.7	3.9	2.8	6.1	2.5	1.6	1.8
Lamb, mutton, goat	4.2	8.1	2.4	1.5	6.3	2.6	4.5	1.4	1.2	4.5
Variety meat, game, substitutes	13.3	12.6	13.4	13.9	12.8	6.8	6.5	6.7	8.6	4.0
Lunch meat	68.5	68.4	75.2	66.5	62.2	61.3	57.8	67.9	64.1	52.0
Poultry, fish, shellfish	81.1	85.9	76.1	81.9	80.5	81.5	88.7	77.9	81.0	79.4
Poultry	68.4	74.3	62.6	71.6	63.7	70.7	76.8	66.3	71.8	67.9
Fish, shellfish	51.4	61.6	45.2	46.4	55.1	50.3	61.0	45.7	47.1	49.9
Eggs (fresh equivalent)	93.0	92.3	93.2	93.6	92.7	82.2	83.3	81.0	83.7	79.9
Sugars, sweets	92.7	93.0	93.9	93.1	89.9	78.9	80.5	78.6	81.5	73.2
Sugars	83.2	83.7	83.4	86.3	76.9	63.3	66.1	58.7	69.6	55.2
Syrups, molasses, honey	34.1	34.1	33.7	30.8	40.2	25.4	25.4	23.9	22.2	32.7
Jellies, jams, preserves	49.1	48.0	50.5	49.6	47.9	31.8	31.7	32.0	30.0	34.9
Candies, nonfruit toppings	37.7	40.9	44.3	29.9	36.8	32.3	32.9	38.4	28.2	31.4
Miscellaneous sweets	28.4	31.3	33.3	22.4	27.3	19.9	21.0	24.7	16.6	18.5

See notes at end of table.

--Continued

Table 18--Region: Percentage of households using food items in a week--Continued

Item	Year									
	1977/78					1987/88				
	All	Region				All	Region			
		Northeast	North Central	South	West		Northeast	North Central	South	West
Food group:	Percent									
Potatoes, sweetpotatoes										
Fresh	83.8	83.0	87.3	83.7	80.2	76.5	76.6	80.8	76.3	71.3
Commercially canned	74.2	72.8	76.8	76.1	69.2	63.8	63.0	65.9	64.2	61.1
Commercially frozen	4.0	3.9	3.9	4.6	3.5	2.4	2.4	1.8	2.7	2.4
Dehydrated, instant	10.0	12.3	12.6	6.6	8.8	8.8	9.5	12.6	6.8	6.5
Chips, sticks, salad	4.7	5.4	5.9	3.0	5.1	4.8	5.0	6.2	5.0	2.5
	31.1	30.3	38.9	26.0	29.3	31.9	31.0	40.7	30.4	24.2
Fresh vegetables										
Dark green	92.6	93.0	92.1	91.5	94.3	85.9	86.1	84.6	85.5	88.1
Deep yellow	35.8	40.7	29.8	34.8	39.8	38.2	43.0	32.9	36.2	43.4
Tomatoes	39.9	43.7	43.2	28.6	49.2	36.9	41.3	36.3	29.1	46.6
Light green	55.1	58.3	50.9	51.5	62.7	47.7	47.8	42.8	47.1	54.8
Other vegetables	79.8	78.4	80.0	78.7	83.2	67.6	68.0	63.2	67.8	72.2
	77.7	81.3	76.2	73.5	81.9	68.2	72.3	67.1	64.2	72.2
Fresh fruits										
Citrus	83.9	87.1	86.0	77.0	88.3	78.8	80.5	81.0	72.8	84.6
Other vitamin C rich	41.3	49.1	39.4	32.2	48.7	32.8	37.5	30.8	29.2	36.7
Other fruits	15.1	15.5	14.9	11.7	20.6	17.3	18.1	19.4	13.1	21.0
	78.1	81.7	79.5	71.2	83.0	74.3	76.0	76.4	67.5	81.8
Canned vegetables and fruits										
Vegetables	77.0	77.2	80.2	75.7	74.4	65.8	66.1	67.6	70.4	55.3
Fruits	71.6	71.8	74.0	71.3	68.7	60.5	59.0	63.3	65.9	49.3
	32.9	33.4	39.6	27.6	31.6	23.9	24.8	27.2	22.2	21.4
Frozen vegetables and fruits										
Vegetables	34.8	42.9	32.1	29.0	37.7	35.0	42.1	32.8	34.6	31.0
Fruits	33.9	41.8	30.8	28.4	36.8	34.4	41.6	31.8	34.1	30.6
	2.1	2.9	2.4	1.2	2.1	1.3	1.3	1.8	1.0	1.1
Vegetable and fruit juices (juice equivalent)	75.0	84.6	74.0	69.0	74.0	71.4	79.2	72.9	67.7	67.7
Vegetable juice	17.2	17.8	19.2	13.9	19.0	10.7	10.2	14.0	8.4	11.1
Canned fruit juice	33.2	33.6	29.6	34.8	35.0	22.6	22.2	22.1	22.6	23.8
Frozen fruit juice	38.1	42.2	41.7	30.4	40.4	30.2	26.5	36.4	23.8	37.6
Fresh fruit juice	15.0	28.5	9.1	11.5	11.1	28.8	46.5	21.8	31.0	14.7

See notes at end of table.

--Continued

Table 18--Region: Percentage of households using food items in a week--Continued

Item	Year									
	1977/78					1987/88				
	All	Region				All	Region			
		Northeast	North Central	South	West		Northeast	North Central	South	West
Food group:	Percent									
Dried vegetables and fruits										
Vegetables	28.9	24.1	24.5	34.1	32.8	22.5	18.4	18.9	28.0	22.2
Fruits	20.7	13.5	15.9	29.4	22.5	14.1	10.1	9.3	20.8	12.7
	10.7	12.7	10.9	6.6	14.3	10.0	10.4	10.6	8.4	11.5
Beverages										
Coffee	97.2	97.8	98.0	96.9	95.5	93.4	94.4	93.5	94.0	91.3
Tea	76.8	80.9	77.3	76.1	71.9	62.5	70.8	61.2	60.7	58.2
Cocoa, baking chocolate	53.2	61.4	48.0	57.4	42.6	37.9	40.5	30.0	47.2	28.9
Soft drinks	14.2	15.8	16.5	9.9	15.9	8.3	10.7	9.5	6.2	8.0
Ades, punches, nectars	62.5	64.9	65.3	61.3	57.3	68.5	71.8	72.7	67.4	61.8
Alcoholic beverages	37.2	38.1	42.6	33.4	34.9	36.9	34.9	39.3	36.8	36.2
	34.5	44.1	36.3	21.0	41.7	29.3	31.3	29.8	24.6	34.6
Soups, sauces, gravies										
Ready-to-serve	51.5	54.9	56.4	42.3	55.4	36.0	35.7	42.3	32.2	35.2
Condensed, frozed, dried	10.8	12.7	11.0	9.2	10.4	12.8	14.6	12.2	11.3	14.1
	45.7	48.3	50.6	36.7	50.5	27.1	26.1	34.5	23.2	25.9
Nuts, condiments										
Nuts, peanut butter 3/	72.1	72.7	77.7	65.7	74.1	64.1	65.2	69.5	56.7	69.1
Catsup, chili sauce, etc.	52.5	52.9	55.7	47.4	55.7	51.4	50.5	56.4	44.3	58.5
Pickles, relishes	44.7	46.5	52.9	37.2	43.0	30.3	36.1	32.2	26.2	28.7
	29.4	30.5	34.5	25.7	27.0	19.7	18.7	22.9	17.0	21.4
Mixtures, dinners										
Canned, frozen, dried	37.1	38.3	39.1	34.3	37.5	50.3	44.9	60.1	46.6	50.4
Baby or junior, jarred	35.4	36.5	37.8	32.7	35.3	49.5	43.9	59.2	45.9	49.6
	3.1	3.4	2.9	2.9	3.2	2.2	2.1	2.9	2.0	1.9

1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Nuts in shelled weight equivalent.

Table 19--Urbanization: Percentage of households using food items in a week

Item	Year							
	1977/78				1987/88			
	All	Urbanization			All	Urbanization		
		Central city	Suburban	Nonmetro		Central city	Suburban	Nonmetro
Household characteristics:								
Households (sample)	14,930	4,424	5,234	5,272	4,495	1,064	2,122	1,309
Households (thousands)	68,388	21,541	24,590	22,256	88,942	27,717	40,871	20,354
Income before taxes (dollars) 1/	17,981	16,618	20,544	16,391	20,376	18,435	24,028	15,260
Food expenditures: 2/								
Total food (dollars)	2,093	2,185	2,234	1,856	2,059	2,021	2,227	1,774
At home food (dollars)	1,534	1,595	1,580	1,431	1,348	1,326	1,414	1,245
Away from home food (dollars)	559	591	654	426	711	695	814	530
Age of household head (years)	48.1	47.1	47.2	49.9	47.6	47.1	47.2	49.2
Household size (21-meal equivalents)	2.62	2.41	2.72	2.70	2.22	2.12	2.25	2.29
Household size (including boarders)	2.96	2.75	3.12	2.99	2.64	2.49	2.72	2.69
Children under 18 (number)	.95	.86	1.01	.96	.73	.72	.71	.78
Adults over 64 (number)	.30	.29	.26	.35	.31	.31	.27	.37
Food group:				Percent				
Dairy products (fresh equivalent)	98.8	98.2	99.2	98.9	98.1	98.3	98.0	98.0
Fresh fluid milk	93.9	92.3	95.1	94.0	93.0	92.6	93.1	93.3
Processed milk	26.4	24.8	24.3	30.5	17.2	19.0	16.4	16.5
Cream, cream substitutes, dips	29.5	25.5	34.2	28.3	27.8	25.7	29.4	27.5
Frozen desserts with milk	49.9	44.7	53.1	51.4	42.8	36.9	47.3	41.6
Cheese	81.8	78.8	86.0	79.9	79.7	78.3	81.5	78.3
Fats and oils								
Table fat	95.3	93.7	96.2	96.0	90.1	87.5	90.9	91.9
Shortening	91.7	88.5	93.1	93.1	84.4	80.5	85.6	87.2
Salad, cooking oils	31.1	25.2	27.1	41.1	15.5	12.1	11.3	28.4
Salad dressings	45.1	44.9	47.9	42.3	32.0	29.9	32.7	33.3
	70.5	66.1	73.6	71.4	63.8	58.4	67.6	63.6

See notes at end of table.

--Continued

Table 19--Urbanization: Percentage of households using food items in a week--Continued

Item	Year							
	1977/78				1987/88			
	All	Urbanization			All	Urbanization		
		Central city	Suburban	Nonmetro		Central city	Suburban	Nonmetro
Food group:	Percent							
Flour and cereals								
Flour, not in mixes	93.4	91.3	93.5	95.2	89.7	89.9	89.5	89.6
Flour mixes	54.0	46.3	50.5	65.4	29.5	28.1	25.4	39.9
Breakfast cereals	27.6	24.3	30.0	28.2	20.4	20.2	21.2	18.8
Other cereals	78.8	75.4	80.2	80.7	77.7	76.5	78.8	77.1
	70.2	69.3	69.9	71.4	61.2	61.1	60.7	62.2
Bakery products								
Bread	98.6	97.9	99.1	98.8	98.1	97.2	98.6	98.2
Other baked goods, doughs	95.2	94.6	96.2	94.7	92.1	89.2	93.0	94.4
	88.8	84.4	91.7	90.0	88.4	86.9	89.8	87.6
Meat								
Beef	97.4	95.9	97.9	98.2	93.2	90.5	93.9	95.5
Pork	91.2	88.6	92.8	92.0	81.3	76.9	83.1	83.7
Veal	79.0	75.8	79.3	81.8	65.5	60.2	66.5	70.5
Lamb, mutton, goat	5.6	7.0	6.8	3.0	2.8	3.3	3.3	1.1
Variety meat, game, substitutes	4.2	5.9	4.6	2.2	2.6	2.2	3.3	1.7
Lunch meat	13.3	14.7	12.0	13.3	6.8	6.4	5.2	10.4
	68.5	65.5	70.6	69.0	61.3	57.0	62.6	64.6
Poultry, fish, shellfish								
Poultry	81.1	83.2	81.9	78.2	81.5	84.5	81.9	76.8
Fish, shellfish	68.4	72.0	68.3	65.1	70.7	73.5	71.2	66.0
	51.4	54.0	54.0	46.0	50.3	52.7	51.6	44.1
Eggs (fresh equivalent)	93.0	92.4	92.9	93.7	82.2	81.1	82.2	83.6
Sugars, sweets								
Sugars	92.7	90.4	93.3	94.3	78.9	72.9	81.0	83.1
Syrups, molasses, honey	83.2	80.0	82.9	86.6	63.3	57.6	63.2	71.4
Jellies, jams, preserves	34.1	30.5	36.2	35.3	25.4	26.3	25.5	23.8
Candies, nonfruit toppings	49.1	42.1	52.8	51.9	31.8	25.9	34.9	33.9
Miscellaneous sweets	37.7	32.4	40.3	39.8	32.3	28.9	34.2	33.2
	28.4	22.2	31.6	30.7	19.9	14.7	23.2	20.6

See notes at end of table.

--Continued

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USDA/SB-849 CHANGES IN FOOD CONSUMPTION AND EXPENDITURES IN AMERICAN HOUSEHOLDS DURING THE 1980'S.(STATISTICAL BULLETIN.) / S. M. LUTZ, ET AL. ECONOMIC RESEARCH SERVICE, WASHINGTON, DC. COMMODITY ECONOMICS DIV. DEC 92 102P

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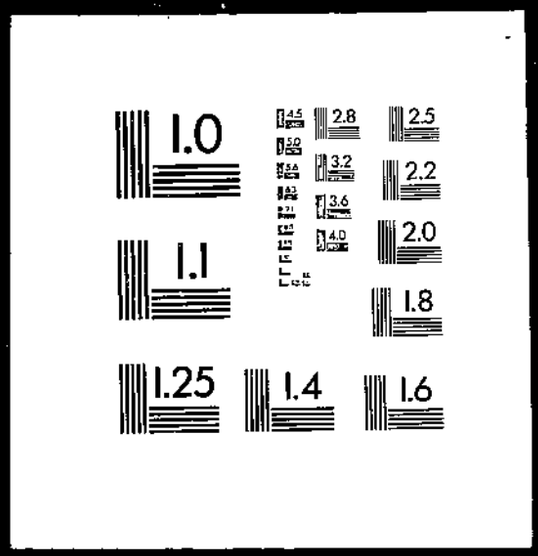

Table 19--Urbanization: Percentage of households using food items in a week--Continued

Item	Year							
	1977/78				1987/88			
	All	Urbanization			All	Urbanization		
		Central city	Suburban	Nonmetro		Central city	Suburban	Nonmetro
Food group:	Percent							
Potatoes, sweetpotatoes	83.8	78.5	85.0	87.8	76.5	73.1	76.9	80.3
Fresh	74.2	68.8	73.0	80.8	63.8	60.4	63.1	69.6
Commercially canned	4.0	3.9	4.5	3.6	2.4	1.9	2.3	3.0
Commercially frozen	10.0	8.6	12.6	8.5	8.8	7.5	8.8	10.6
Dehydrated, instant	4.7	3.9	6.0	4.1	4.8	4.1	5.4	4.6
Chips, sticks, salad	31.1	25.9	35.6	31.0	31.9	27.4	32.3	37.1
Fresh vegetables	92.6	90.7	93.8	93.0	85.9	83.6	87.9	85.1
Dark green	35.8	40.0	35.7	31.9	38.2	38.3	41.8	31.0
Deep yellow	39.9	36.7	43.4	39.3	36.9	36.0	38.8	34.5
Tomatoes	55.1	53.0	57.6	54.3	47.7	43.6	50.8	46.9
Light green	79.8	75.5	82.5	80.9	67.6	64.8	70.4	65.8
Other vegetables	77.7	75.6	80.3	76.7	68.2	65.7	71.0	65.9
Fresh fruits	83.9	82.6	86.5	82.4	78.8	75.8	83.0	74.4
Citrus	41.3	45.0	43.4	35.2	32.8	33.9	34.4	28.2
Other vitamin C rich	15.1	13.5	17.9	13.6	17.3	16.3	19.3	14.6
Other fruits	78.1	76.5	80.9	76.6	74.3	71.6	78.4	69.7
Canned vegetables and fruits	77.0	74.9	78.6	77.3	65.8	62.1	66.3	70.0
Vegetables	71.6	70.7	72.6	71.5	60.5	56.6	61.1	64.6
Fruits	32.9	28.4	35.8	34.0	23.9	22.5	23.7	26.1
Frozen vegetables and fruits	34.8	36.2	39.7	28.0	35.0	34.0	38.5	29.4
Vegetables	33.9	35.5	38.9	26.8	34.4	33.6	38.0	28.4
Fruits	2.1	1.7	2.3	2.2	1.3	.9	1.3	1.6
Vegetable and fruit juices (juice equivalent)	75.0	76.6	76.8	71.6	71.4	71.0	73.4	68.2
Vegetable juice	17.2	15.0	18.4	17.8	10.7	9.6	11.4	10.7
Canned fruit juice	33.2	33.7	32.4	33.5	22.6	22.2	24.0	20.4
Frozen fruit juice	38.1	33.7	42.6	37.4	30.2	31.0	28.9	31.7
Fresh fruit juice	15.0	20.9	16.1	7.9	28.8	27.7	32.3	23.4

See notes at end of table.

--Continued

Table 19--Urbanization: Percentage of households using food items in a week--Continued

Item	Year							
	1977/78				1987/88			
	All	Urbanization			All	Urbanization		
		Central city	Suburban	Nonmetro		Central city	Suburban	Nonmetro
	Percent							
Food group:								
Dried vegetables and fruits	28.9	28.9	26.6	31.4	22.5	23.9	20.8	24.2
Vegetables	20.7	21.3	16.9	24.2	14.1	15.6	11.6	17.0
Fruits	10.7	10.4	11.8	9.7	10.0	10.1	10.5	8.8
Beverages	97.2	96.3	97.6	97.5	93.4	90.6	95.2	93.7
Coffee	76.8	71.8	78.3	80.0	62.5	55.0	66.3	64.9
Tea	53.2	47.2	57.2	54.6	37.9	28.5	41.1	44.4
Cocoa, baking chocolate	14.2	11.1	16.5	14.6	8.3	7.3	8.2	10.1
Soft drinks	62.5	60.9	65.9	60.2	68.5	64.3	71.6	68.1
Ades, punches, nectars	37.2	35.6	39.4	36.4	36.9	37.5	37.1	35.8
Alcoholic beverages	34.5	34.3	40.8	27.7	29.3	28.8	33.6	21.2
Soups, sauces, gravies	51.5	48.3	54.9	50.8	36.0	31.9	38.6	36.7
Ready-to-serve	10.8	10.6	11.0	10.7	12.8	11.6	14.4	11.2
Condensed, frozed, dried	45.7	42.5	49.5	44.7	27.1	23.6	28.4	29.4
Nuts, condiments	72.1	64.9	76.3	74.5	64.1	59.0	66.8	65.7
Nuts, peanut butter 3/	52.5	45.9	56.4	54.5	51.4	47.4	54.5	50.7
Catsup, chili sauce, etc.	44.7	38.4	48.8	46.3	30.3	26.1	31.7	33.2
Pickles, relishes	29.4	23.8	32.6	31.4	19.7	17.0	21.1	20.4
Mixtures, dinners	37.1	33.4	41.6	35.8	50.3	48.0	53.5	47.3
Canned, frozen, dried	35.4	31.8	39.7	34.3	49.5	47.1	52.7	46.2
Baby or junior, jarred	3.1	2.9	3.4	3.0	2.2	2.8	1.9	2.2

1/ 1988 dollars per equivalent person.
2/ 1988 dollars per 21-meal equivalent person.
3/ Nuts in shelled weight equivalent.

Table 20—Average food conversion factors

Food group	1977/78	1987/88
Dairy products (fresh equivalent)		
Fresh fluid milk	1.26	1.29
Processed milk	1.03	1.04
Cream, cream substitutes and dips	2.83	2.54
Frozen desserts with milk	.95	.81
Cheese	1.05	1.05
	4.07	4.28
Fats and oils		
Table fat	1.00	1.00
Shortening	1.00	1.00
Salad, cooking oils	1.00	1.00
Salad dressings	1.00	1.00
	1.00	1.00
Flour and cereals		
Flour, not in mixes	1.00	1.00
Flour mixes	1.00	1.00
Breakfast cereals	1.00	1.00
Other cereals	1.00	1.00
	1.00	1.00
Bakery products		
Bread	1.00	1.00
Other baked goods and dough	1.00	1.00
	1.00	1.00
Meat		
Beef	1.00	1.00
Pork	1.00	1.00
Veal	1.00	1.00
Lamb, mutton, and goat	1.00	1.00
Variety meat, game, and substitutes	1.00	1.00
Lunch meat	1.00	1.00
	1.00	1.00
Poultry, fish, and shellfish		
Poultry	1.00	1.00
Fish and shellfish	1.00	1.00
	1.00	1.00
Eggs (fresh equivalent)	1.00	1.00
Sugars and sweets		
Sugars	1.00	1.00
Syrups, molasses, and honey	1.00	1.00
Jellies, jams, and preserves	1.00	1.00
Candies and nonfruit toppings	1.00	1.00
Miscellaneous sweets	1.00	1.00
	1.00	1.00
Potatoes and sweetpotatoes		
Fresh	1.00	1.00
Commercially canned	1.00	1.00
Commercially frozen	1.00	1.00
Dehydrated and instant	1.00	1.00
Chips, sticks and salad	1.00	1.00
	1.00	1.00

Continued—

Table 20—Average food conversion factors—Continued

Food group	1977/78	1987/88
Fresh vegetables		
Dark green	1.00	1.00
Deep yellow	1.00	1.00
Tomatoes	1.00	1.00
Light green	1.00	1.00
Other vegetables	1.00	1.00
	1.00	1.00
Fresh fruits		
Citrus	1.00	1.00
Other vitamin C rich	1.00	1.00
Other fruits	1.00	1.00
	1.00	1.00
Canned vegetables and fruits		
Vegetables	1.00	1.00
Fruits	1.00	1.00
	1.00	1.00
Frozen vegetables and fruits		
Vegetables	1.00	1.00
Fruits	1.00	1.00
	1.00	1.00
Vegetable and fruit juices (juice equivalent)		
Vegetable juice	1.54	1.46
Canned fruit juice	1.01	1.00
Frozen fruit juice	1.00	1.00
Fresh fruit juice	3.66	3.48
	1.00	1.00
Dried vegetables and fruits		
Vegetables	1.00	1.00
Fruits	1.00	1.00
	1.00	1.00
Beverages		
Coffee	1.00	1.00
Tea	1.00	1.00
Cocoa and baking chocolate	1.00	1.00
Soft drinks	1.00	1.00
Ades, punches, and nectars	1.00	1.00
Alcoholic beverages	1.00	1.00
	1.00	1.00
Soups, sauces, and gravies		
Ready-to-serve	1.00	1.00
Condensed, frozen, and dried	1.00	1.00
	1.00	1.00
Nuts and condiments[1]		
Nuts and peanut butter	.98	.96
Catsup, chili sauce, etc.	.94	.92
Pickles and relishes	1.00	1.00
	1.00	1.00
Mixtures and dinners		
Canned, frozen, and dried	1.00	1.00
Baby or junior, jarred	1.00	1.00
	1.00	1.00

[1]Nuts in shelled weight equivalent.

Table 21—Consumer price indices

Food group	1977	1978	1987	1988
		1988 = 100		
Dairy products (fresh equivalent)				
Fresh fluid milk	68.9	72.6	97.7	100.0
Processed milk	64.1	68.5	97.7	100.0
Cream, cream substitutes, and dips	64.1	68.5	97.7	100.0
Frozen desserts with milk	64.1	68.5	97.7	100.0
Cheese	64.1	68.5	97.7	100.0
Fats and oils:				
Table fat	62.6	68.6	95.6	100.0
Shortening	62.6	68.6	95.6	100.0
Salad, cooking oils	62.6	68.6	95.6	100.0
Salad dressings	62.6	68.6	95.6	100.0
Flour and cereals				
Flour, not in mixes	51.2	55.8	94.0	100.0
Flour mixes	51.2	55.8	94.0	100.0
Breakfast cereals	51.2	55.8	94.0	100.0
Other cereals	51.2	55.8	94.0	100.0
Bakery products				
Bread	54.2	57.8	93.3	100.0
Other baked goods and dough	51.2	55.8	94.0	100.0
Meat				
Beef	53.1	65.2	94.8	100.0
Pork	65.7	74.1	103.1	100.0
Veal	59.0	69.4	97.4	100.0
Lamb, mutton, and goat	59.0	69.4	97.4	100.0
Variety meat, game, and substitutes	59.0	69.4	97.4	100.0
Lunch meat	59.0	69.4	97.4	100.0
Poultry, fish, and shellfish				
Poultry	63.7	70.3	93.3	100.0
Fish and shellfish	48.5	53.1	94.5	100.0
Eggs (fresh equivalent)	93.1	88.0	97.8	100.0
Sugars and sweets				
Sugars	53.3	59.9	97.4	100.0
Syrups, molasses, and honey	53.3	59.9	97.4	100.0
Jellies, jams, and preserves	53.3	59.9	97.4	100.0
Candies and nonfruit toppings	53.3	59.9	97.4	100.0
Miscellaneous sweets	53.3	59.9	97.4	100.0
Potatoes and sweetpotatoes				
Fresh	53.6	55.7	97.4	100.0
Commercially canned	59.4	65.4	95.5	100.0
Commercially frozen	59.4	65.4	95.5	100.0
Dehydrated and instant	59.4	65.4	95.5	100.0
Chips, sticks, and salad	53.7	58.1	96.4	100.0

—Continued

Table 21—Consumer price indices—Continued

Food group	1977	1978	1987	1988
		1988 = 100		
Fresh vegetables				
Dark green	50.5	54.5	94.0	100.0
Deep yellow	50.5	54.5	94.0	100.0
Tomatoes	60.8	58.9	94.9	100.0
Light green	50.5	54.5	94.0	100.0
Other vegetables	50.5	54.5	94.0	100.0
Fresh fruits				
Citrus	41.5	49.7	92.3	100.0
Other vitamin C rich	41.5	49.7	92.3	100.0
Other fruits	41.5	49.7	92.3	100.0
Canned vegetables and fruits				
Vegetables	59.4	65.4	95.5	100.0
Fruits	51.0	56.5	90.7	100.0
Frozen vegetables and fruits				
Vegetables	59.4	65.4	95.5	100.0
Fruits	51.0	56.5	90.7	100.0
Vegetable and fruit juices (juice equivalent):				
Vegetable juice	59.4	65.4	95.5	100.0
Canned fruit juice	51.0	56.5	90.7	100.0
Frozen fruit juice	51.0	56.5	90.7	100.0
Fresh fruit juice	51.0	56.5	90.7	100.0
Dried vegetables and fruits				
Vegetables	59.4	65.4	95.5	100.0
Fruits	51.0	56.5	90.7	100.0
Beverages				
Coffee	98.2	93.2	101.0	100.0
Tea	69.2	73.2	100.0	100.0
Cocoa and baking chocolate	53.3	59.9	97.4	100.0
Soft drinks	69.2	73.2	100.0	100.0
Ades, punches, and nectars	69.2	73.2	100.0	100.0
Alcoholic beverages	59.0	62.5	96.2	100.0
Soups, sauces, and gravies				
Ready-to-serve	53.7	58.1	96.4	100.0
Condensed, frozen, and dried	53.7	58.1	96.4	100.0
Nuts and condiments				
Nuts and peanut butter	53.7	58.1	96.4	100.0
Catsup, chili sauce, etc.	53.7	58.1	96.4	100.0
Pickles and relishes	53.7	58.1	96.4	100.0
Mixtures, dinners				
Canned, frozen, and dried	53.7	58.1	96.4	100.0
Baby or junior, jarred	53.7	58.1	96.4	100.0

[1]Nuts in shelled weight equivalent.

Table 22—Adult equivalent person scales

Household size (members)	1977/78	1987[1]	1988[1]
		Household equivalent person	
1	1.00	1.00	1.00
2	1.32	1.28	1.28
3	1.65	1.57	1.57
4	1.97	2.01	2.01
5	2.29	2.38	2.38
6	2.62	2.69	2.68
7	2.94	3.06	3.06
8	3.26	3.37	3.38
9	3.60	4.04	4.00
10	3.91	4.04	4.00
11	4.23	4.04	4.00
12[2]	4.56	4.04	4.00

[1]For 1987-88, household equivalent person stays constant beginning with household size 9.
[2]For 1977/78, add 0.32 for each additional person.

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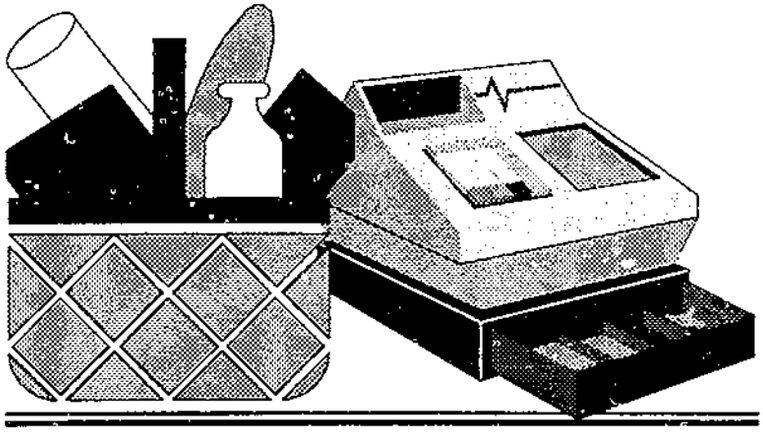

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